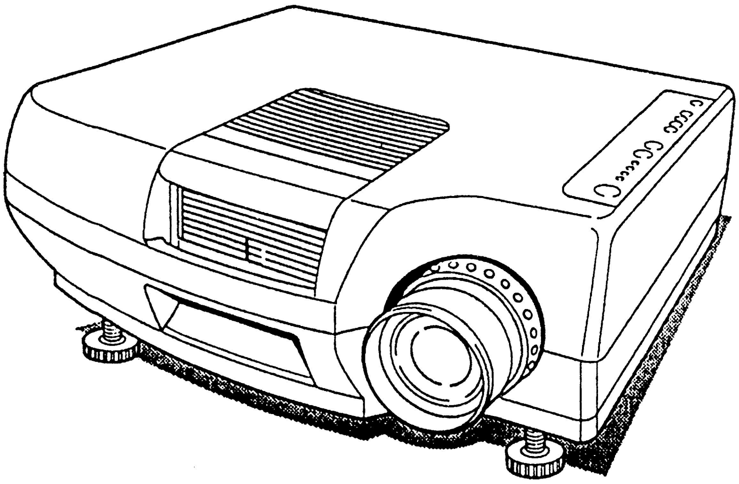
SANYO

FILE NO.

SERVICE MANUAL

Portable LCD Color Video Projector

Model no. **PLV-20E**
(Europe,Asia,Africa,M.E.)
Model no. **PLV-20B**
(U.K.)



ORIGINAL VERSION

Service Ref.No.	PLV-20E-00 PLV-20B-00

This chassis is similar to MODEL PLC-550ME/550MB/550MP.
Service information given in this manual is only the difference information from MODEL PLC-550ME /550MB /550MP.
For additional service information, refer to the service manual for chassis number PLC-550ME00 /550MB00 /550MP00 used in MODEL PLC-550ME /550MB /550MP (SM525033).

V/98/10

PRODUCT CODE

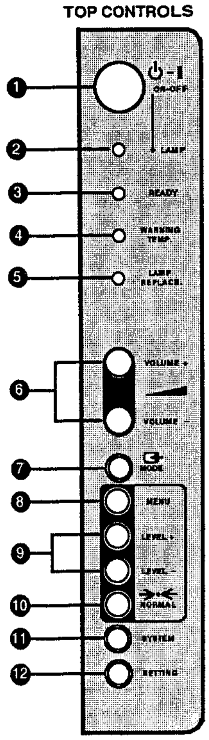
P4FA	(PLC-20E-00)	; 1122 038 00
P4FB	(PLC-20B-00)	; 1122 038 01

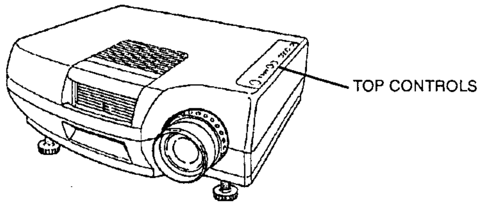
REFERENCE NO. SS525029

Technical Specifications

Projector Type	Portable LCD Projector
Dimensions (H x W x D)	158 mm × 430 mm × 385 mm
Net Weight	11 kg
LCD Panel System	1.3" TFT Active Matrix type (Thin Film Transistor) × 3
Number of Pixels	921,600 (307,200 × 3)
Color System	4 colour system (PAL, SECAM, NTSC4.43 and NTSC)
Projection Image Size (Diagonal)	76 cm to 762 cm (30 to 300 inch) Adjustable
Contrast Ratio	100 :1
Horizontal Resolution	550 TV lines
Projection Lens	F2.8 ~ 3.2 lens with f53 mm ~ 69 mm Manual zoom and focus
Lens Aperture	51.8 mm
Throw Distance	1.5 m ~ 12.0 m
Projection Lamp	Metal Halide, 200 watt type
Projection Mirror	Dichroic mirror system
AV Input jacks	PHONO Type × 2 (Video, Audio R and L), BNC Type × 1 and DIN 4 pin (S-Video) × 1
Video Monitor Output Jack	PHONO Type × 1
Audio Monitor Output Jacks	PHONO Type × 1 (R and L)
Other Jacks	EXT. Speaker Jack × 1, Wired Remote Jack × 1 and External Power Supply (+12V DC, 120mA)
Built-in Speaker	INT. SP. Monaural, 3 watt RMS (T.H.D. 10%)
Image Elevation Adjustment	Up 6°
Voltage	220-240V AC, 50/60 Hz
Power Consumption	285 Watts
Operating Temperature	5℃ ~ 35℃
Storage Temperature	− 10℃ ~ 60℃
Remote Control Battery	AA, UM3 or R06 type × 2
Standard Accessories	Remote Control Unit, R/C Cable (1.5m), AC Power Supply Cord, Lens Cover and Owner's Instruction Manual

Description of Projector


TOP CONTROLS
①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
ON-OFF
LAMP
READY
WARNING TEMP.
LAMP REPLACE.
VOLUME +
VOLUME –
MODE
MENU
LEVEL +
LEVEL –
NORMAL
SYSTEM
SETTING


TOP CONTROLS

① LAMP POWER ON/OFF BUTTON
Used to turn projection lamp on or off.

② LAMP POWER INDICATOR
Lights dim when the projector is on.
Lights bright when the projector is stand-by position.

③ READY INDICATOR
Lights green when projector lamp is ready to be turned on.

④ TEMPERATURE WARNING INDICATOR
Flashes red when internal projector temperature is too high.

⑤ LAMP REPLACEMENT INDICATOR
Lights orange when projection lamp is nearing end of service life.

⑥ VOLUME BUTTONS
Used to adjust volume.

⑦ MODE BUTTON
Used to select video source. (AV1 or AV 2 Input)

⑧ MENU BUTTON
Used to select on-screen adjustment displays for colour, tint, contrast, brightness and sharpness. Press repeatedly to cycle.

⑨ LEVEL CONTROL BUTTONS
Used to adjust colour, tint, contrast, brightness, sharpness, display, blue background, reverse R/L and reverse T/B by pressing + or - button.

⑩ NORMAL BUTTON
Used to reset to normal picture adjustment preset by factory.

⑪ SYSTEM BUTTON
Used to select colour system.

⑫ SETTING BUTTON
Used to select on-screen adjustment displays for focus setting pattern, display, blue background, reverse R/L and reverse T/B. Press repeatedly to cycle.

⑬ AUDIO INPUT 1 JACKS
Used to connect an audio input to the projector.

⑭ VIDEO INPUT 1 JACK
Used to connect a video source to the projector.

⑮ VIDEO INPUT (BNC) JACK
Used to connect a video source to the projector.

⑯ S-VIDEO INPUT JACK
Used to connect a S-VHS video source to the projector.

⑰ AUDIO INPUT 2 JACKS
Used to connect an audio input to the projector.

⑱ VIDEO INPUT 2 JACK
Used to connect a video source to the projector.

⑲ AUDIO MONITOR OUTPUT JACKS
Permits audio connection to a monitor.

⑳ VIDEO MONITOR OUTPUT JACK
Permits video connection to a monitor.

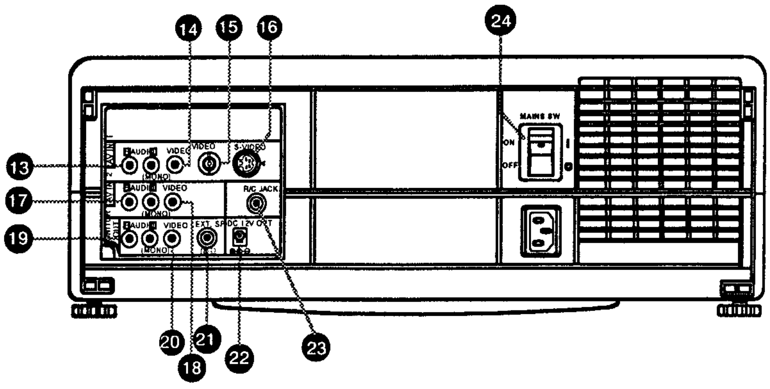
㉑ EXT. SP. JACK (3.5 mm mini type)
Used to connect a external monaural speaker system.

㉒ DC 12V SOURCE
Used to connect a DC source (12V, 120mA) for other equipment.

㉓ WIRED REMOTE JACK
When using the wired remote control, connect the remote cable (supplied) to this jack.

㉔ MAINS ON/OFF SWITCH
Used to turn the projector on.

BACK OF THE PROJECTOR


⑭
⑮
⑯
㉔
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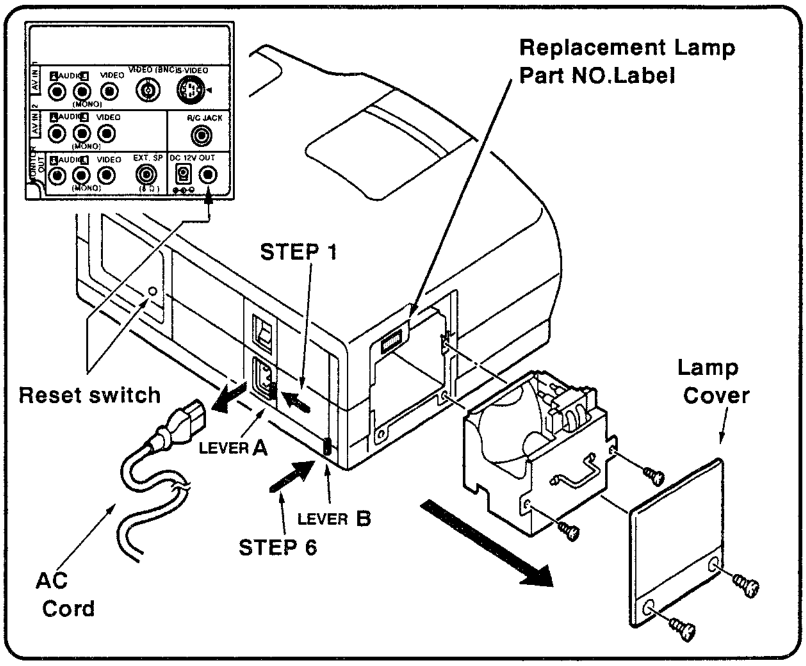
AV IN 2
AV IN 1
MONITOR OUT
AUDIO
VIDEO
(MONO)
S-VIDEO
R/C JACK
EXT. SP
DC 12V OUT
MAINS SW
ON
OFF

Lamp Replacement

Warning
For continued safety, replace with a lamp assembly of the same type. part NO. 610 264 1196
Allow the projector to cool for at least 45 minutes before you open the lamp cover. The inside of the projector can become very hot.
Do not drop the lamp module or touch the glass bulb! The glass can shatter and cause injury.
To prevent operator injury, the lamp cover is locked. Unless the guard is in the unlocked position, the lamp cover will not disconnect even if the screws have been removed.

BEFORE LAMP REPLACEMENT

To prevent operator injury, the lamp cover is locked. Unless the AC cord is disconnected from the projector and the lock disengaged by pressing the lock release lever, the lamp cover will not disconnect even if the screws have been removed. Replace the lamp following the procedure below.



1. Disconnect the AC cord from the projector and push the lock release lever "A" in the direction of the arrow. (The locking lever "B" emerges to disengage the lamp cover lock.)
2. Remove 2 screws and disconnect the lamp cover. (Note: The lamp cover cannot be disconnected unless the lock is disengaged in step 1 above.)
3. Remove 2 screws and pull out the lamp assembly by gripping the handle.
4. Replace the lamp assembly.
5. Tighten 4 screws to secure the lamp cover to the lamp assembly.
6. Push the locking lever "B" in the direction of the arrow (forward). The lock release lever "A" will now return to its original position, locking the lamp cover.
7. Connect the detachable AC cord to the projector.
8. Reset the lamp replacement monitor timer.

8-1. Plug the projector into an AC outlet and switch the power on.
8-2. Wait for about 30 seconds until the "A MOMENT!" indication goes off.
8-3. Press the Reset switch for two seconds. "RESET" will appear on the screen and go off after a few seconds. The timer has now reset.

RECOMMENDATION

Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced. Refer to AIR FILTER CARE AND CLEANING.

HOW TO CHECK THE LAMP ILLUMINATION TIME

1. Checking procedure

With the projector in operating mode (synchronize picture view condition), press the LEVEL "+" or " – " button for 30 seconds; four red alphabets will appear on the screen for 5 seconds.

BMFL

2. Calculation of illumination

$$\text{ILLUMINATION TIME} = 1000 - \frac{8 \times (B \times 4096 + M \times 256 + F \times 16 + L)}{60}$$

Note: If the RESET button is pressed, the data of illumination time will be initialized.

3. Alphabet – number conversion table

A --- 0 B --- 1 C --- 2 D --- 3 E --- 4 F --- 5 G --- 6 H --- 7 I --- 8
J --- 9 K --- 10 L --- 11 M --- 12 N --- 13 O --- 14 P --- 15

4. Calculation example

$$1000 - \frac{8 \times (1 \times 4096 + 12 \times 256 + 5 \times 16 + 11)}{60} \fallingdotseq 32$$

Approx. 32 hour of illumination

Electrical Adjustments

5.2 Volt Adjustment

EQUIPMENT ························ Digital voltmeter
CONNECTIONS ···························· C629 +
·················· Chassis Ground
INPUT SIGNAL ····················· Color bar signal

ADJUSTMENT: ·· Adjust VR601 to be 5.2 ± 0.05V DC.

VCO Adjustment

EQUIPMENT ························ Digital voltmeter
CONNECTIONS ···························· TP20F
················· Chassis Ground
INPUT SIGNAL ····················· Color bar signal

ADJUSTMENT: ·· Adjust T2001 to be 2.3 ± 0.05V DC.

NOTE : Rotate core from bottom T2001 to read the first 2.3V point

Video Gain Adjustments

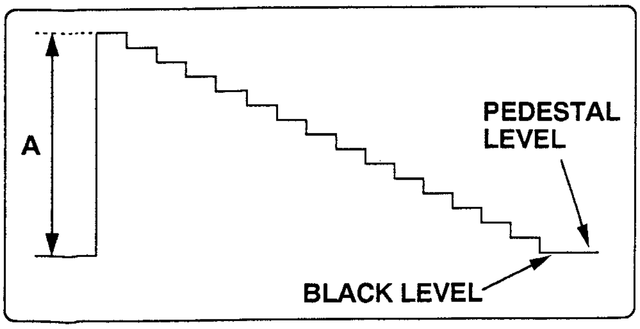
EQUIPMENT ·························· Oscilloscope
CONNECTIONS ···························· TP20R
··················· Chassis Ground
························· TP20G
··················· Chassis Ground
························· TP20B
··················· Chassis Ground

INPUT SIGNAL 16 Step Gray Scale video signal (NTSC)

Picture condition ························· Normal.

ADJUSTMENTS: ································

1. Adjust the 80BR data (Refer to IIC Data Adjustment) so that the pedestal level and the black level are equal.
   Add the five to 80BR data Adjustment value.
2. By using VR6401, 80RG and 80BG data (Refer to IIC Data Adjustment.) adjust A to be 0.7 ± 0.02V p-p.



V Common Adjustments

IIC DATA MODE ···································
Green; ······················ GTEST
Blue; ························ BTEST
Red; ························· RTEST
INPUT SIGNAL 16 Step Gray Scale video signal (NTSC)
Picture condition Brightness ············ Darker.
Contrast ·············· Center.

ADJUSTMENTS;
Green; Adjust VR241 to Minimum Flicker on G-Pattern.
Blue; ··· Adjust VR242 to Minimum Flicker on B-Pattern.
Red; ··· Adjust VR243 to Minimum Flicker on R-Pattern.

Video Center Adjustment

EQUIPMENT ························ Digital voltmeter
CONNECTIONS ·························· TP22G6
·················· Chassis Ground
INPUT SIGNAL 16 Step Gray Scale video signal (NTSC)

Picture condition ························· Normal.

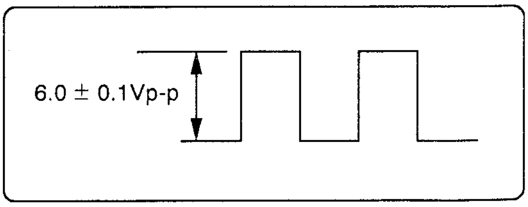
ADJUSTMENT: Adjust VR6216 to be 7.0 ± 0.1V DC.

PSIG Adjustment

EQUIPMENT ·························· Oscilloscope
CONNECTIONS ···························· TP25
················· Chassis Ground
INPUT SIGNAL ·············· Color bar signal (NTSC)

Picture condition ························· Normal.

ADJUSTMENT: ·· Adjust VR501 to be 6.0 ± 0.1V p-p.



G Video Adjustments

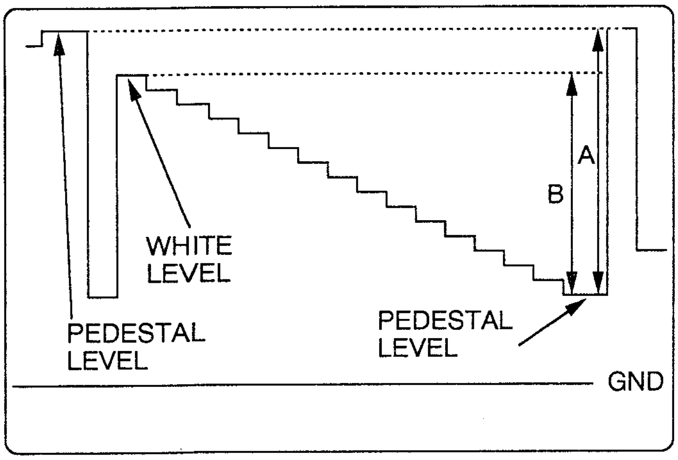
G Video Adjustment-1

EQUIPMENT ························· Oscilloscope.
CONNECTIONS ················ TP22G1 and ground.

INPUT SIGNAL ················16 Step Gray Scale video signal (NTSC)
Picture condition ························· Normal.

ADJUSTMENTS: ································

1. By using VR209 adjust A to be 6.4 ± 0.05V p-p.
2. By using VR204 adjust B to be 2.0 ± 0.05V p-p.



G Video Adjustments-2

EQUIPMENT ························· Oscilloscope

INPUT SIGNAL 16 Step Gray Scale video signal (NTSC)
Picture condition ························· Normal.

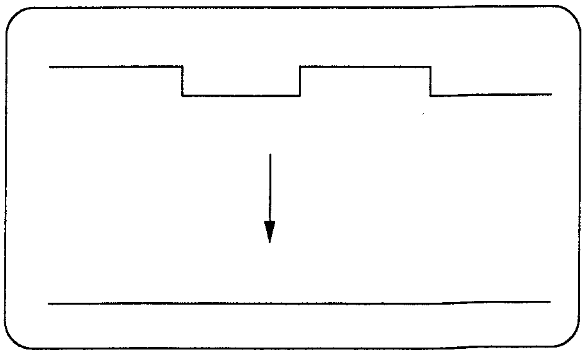
1.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22G2 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6205,VR6223 to Minimum p-p waveform on Oscilloscope.

2.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22G3 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6204,VR6222 to Minimum p-p waveform on Oscilloscope.

3.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22G4 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6203,VR62221 to Minimum p-p waveform on Oscilloscope.

4.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22G5 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6202,VR62220 to Minimum p-p waveform on Oscilloscope.

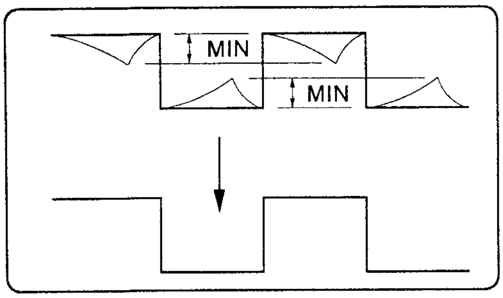
5.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22G6 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6201,VR6219 to Minimum p-p waveform on Oscilloscope.



R Video Adjustments

EQUIPMENT ························ Oscilloscope
Input Signal ·· 16 Step Gray Scale video signal (NTSC)
Picture condition ························ Normal.

1.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22R1 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR205 to Minimum p-p waveform on Oscilloscope.

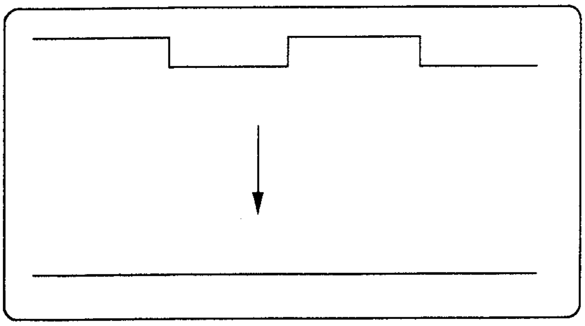


2.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22R1 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR203,VR6234 to Minimum p-p waveform on Oscilloscope.

3.
CONNECTIONS CH 1: TP22R1 and chassis ground
CH 2: TP22R2 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6210,VR62228 to Minimum p-p waveform on Oscilloscope.

4.
CONNECTIONS CH 1: TP22R1 and chassis ground
CH 2: TP22R3 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6209,VR6227 to Minimum p-p waveform on Oscilloscope.

5.
CONNECTIONS CH 1: TP22R1 and chassis ground
CH 2: TP22R4 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6208,VR6226 to Minimum p-p waveform on Oscilloscope.



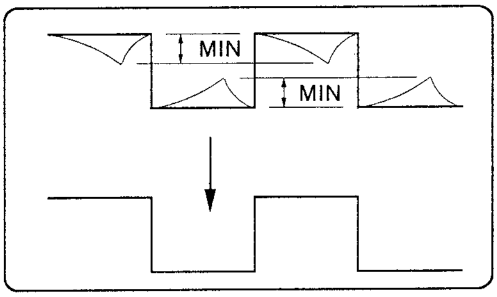
6.
CONNECTIONS CH 1: TP22R1 and chassis ground
CH 2: TP22R5 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6207,VR6225 to Minimum p-p waveform on Oscilloscope.

7.
CONNECTIONS CH 1: TP22R1 and chassis ground
CH 2: TP22R6 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6206,VR6224 to Minimum p-p waveform on Oscilloscope.

B Video Adjustments

EQUIPMENT ························ Oscilloscope
Input Signal ·· 16 Step Gray Scale video signal (NTSC)
Picture condition ························ Normal.

1.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22B1 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR207 to Minimum p-p waveform on Oscilloscope.



2.
CONNECTIONS CH 1: TP22G1 and chassis ground
CH 2: TP22B1 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR208,VR6235 to Minimum p-p waveform on Oscilloscope.

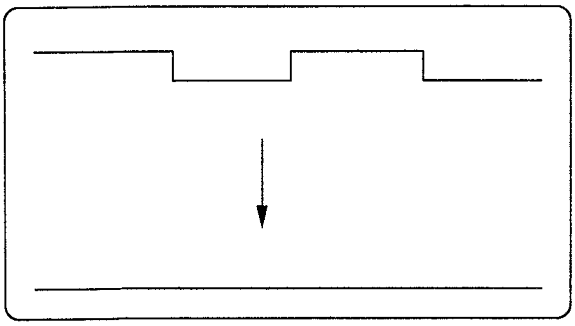
3.
CONNECTIONS·CH 1: TP22B1 and chassis ground
CH 2: TP22B2 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6215,VR6233 to Minimum p-p waveform on Oscilloscope.

4.
CONNECTIONS·CH 1: TP22B1 and chassis ground
CH 2: TP22B3 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6214,VR6232 to Minimum p-p waveform on Oscilloscope.

5.
CONNECTIONS·CH 1: TP22B1 and chassis ground
CH 2: TP22B4 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6213,VR6231 to Minimum p-p waveform on Oscilloscope.

6.
CONNECTIONS·CH 1: TP22B1 and chassis ground
CH 2: TP22B5 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6212,VR6230 to Minimum p-p waveform on Oscilloscope.

7.
CONNECTIONS·CH 1: TP22B1 and chassis ground
CH 2: TP22B6 and chassis ground
CH1+CH2(INV)
ADJUSTMENT: ································
adjust VR6211,VR6229 to Minimum p-p waveform on Oscilloscope.

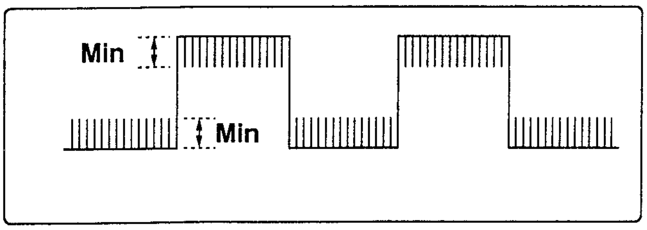


R-S/H4 Clock Adjustments

EQUIPMENT ························· Oscilloscope
CONNECTIONS ···················· TP22G6--CH1
TP22R1--CH2
CH1+CH2(INV)
Chassis Ground
INPUT SIGNAL ··················· grid pattern signal

Picture condition ························ Normal.

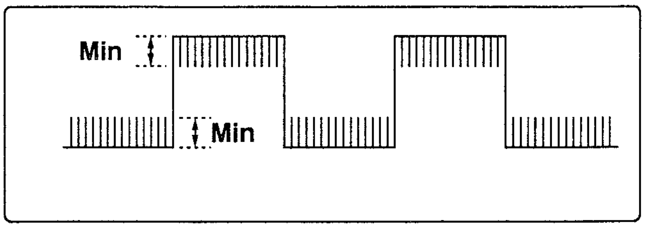
ADJUSTMENTS:
1. Adjust PCK4 data (Refer to IIC Data Adjustment) to Minimum Grid lines width and noise on screen
2. Adjust RSH4 data (Refer to IIC Data Adjustment) to Minimum p-p waveform on Oscilloscope.



B-S/H4 Clock Adjustment

EQUIPMENT ························· Oscilloscope
CONNECTIONS ···················· TP22G6--CH1
TP22B1--CH2
CH1+CH2(INV)
Chassis Ground
INPUT SIGNAL ··················· grid pattern signal
Picture condition ························ Normal.

ADJUSTMENT:
1. Adjust BSH4 data (Refer to IIC Data Adjustment) to Minimum p-p waveform on Oscilloscope.



White Balance Adjustment

INPUT SIGNAL 16 Step Gray Scale video signal (NTSC)

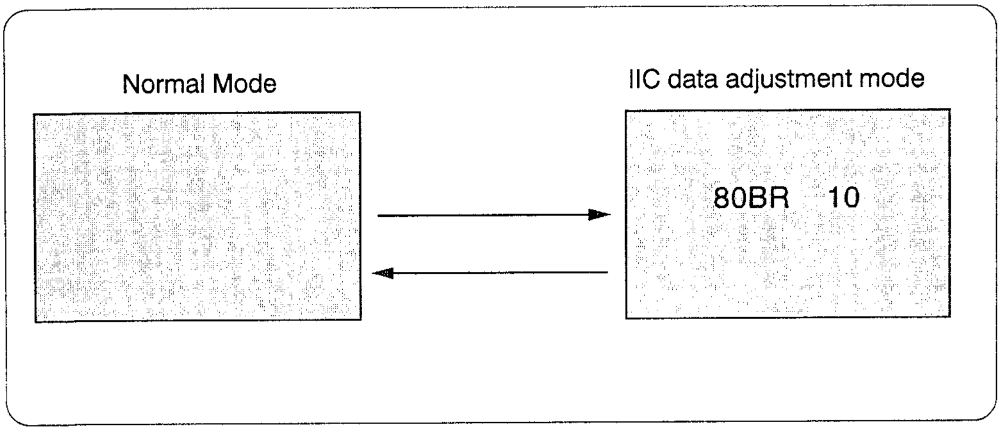
Picture condition ························ Normal.

ADJUSTMENT: ································
By using VR203 (R-DC Level Adj.) and VR208 (B-DC Level Adj.), adjust to be balanced Gray Scale.

IIC data adjustment

IIC data adjustment Mode

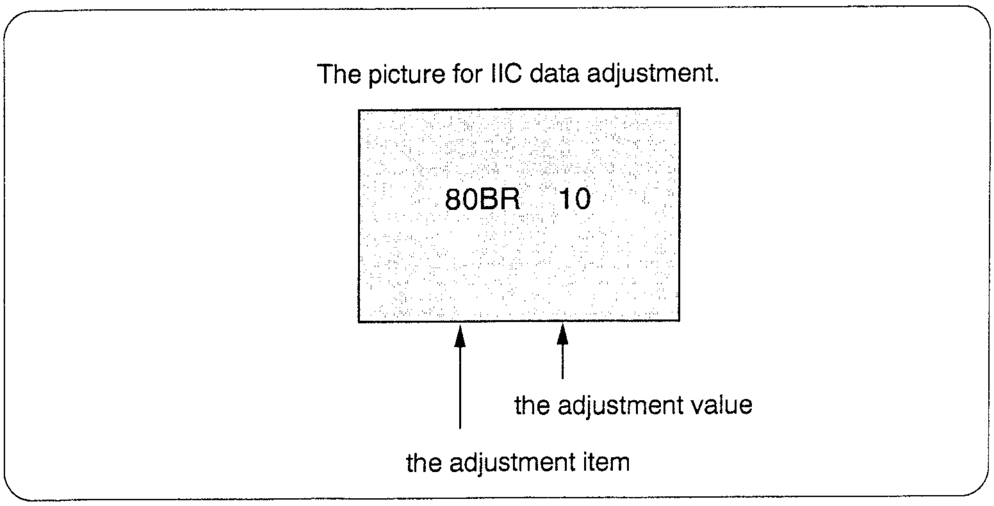
To change the mode from the normal mode to the " **IIC data adjustment Mode** " by pressing the " MENU " key and " NORMAL " key on the projector simultaneous and hold for 3 seconds.


Normal Mode
IIC data adjustment mode
80BR 10

IIC data adjustment

When replacing electrical parts, readjust IIC data, as necessary.
Data for each item is adjusted by "VOLUME +/ – " key and "LEVEL +/ – " key on the remote control unit.

The "VOLUME +" key and "VOLUME – " key change the adjustment item, and "LEVEL +" key and "LEVEL – " key change the adjustment value. The picture is changes 2 to 3 seconds after the value is changed.


The picture for IIC data adjustment.
80BR 10
the adjustment value
the adjustment item

IIC Data Adjustments

MODE No.	DISPLAY	ADJ. VALUE	ADJUSTMENT ITEM	FACTORY INITIAL VALUE
1	80BR	0 ~ 63	TDA4680 Bright	10
2	80RG	0 ~ 63	TDA4680 R Gain	14
3	80GG	– – – –	TDA4680 G Gain	14
4	80BG	0 ~ 63	TDA4680 B Gain	14
5	20CR	– – – –	CXA1420 Control Reg.	53
6	20SL	– – – –	CXA1420 Slice	10
7	20SF	– – – –	CXA1420 Shrp Fo	50
8	20WT	– – – –	CXA1420 Waiting	31
9	HS60	– – – –	TDA9160 Horiz. Shift (60Hz)	10
10	HS50	– – – –	TDA9160 Horiz. Shift (50Hz)	10
11	SCOL	– – – –	SUB COLOR	12
12	STNT	– – – –	SUB TINT	8
13	SSHP	– – – –	SUB SHARPNESS	0
14	PCK4	0 ~ 7	Sample Hold PCK-4	1
15	GSH4	– – – –	Sample Hold GPSH-4	0
16	RSH4	0 ~ 15	Sample Hold RPSH-4	3
17	BSH4	0 ~ 15	Sample Hold BPSH-4	3
18	GTEST	– – – –	V-Com Adj. (Flicker Adj.) Green	– – – –
19	BTEST	– – – –	V-Com Adj. (Flicker Adj.) Blue	– – – –
20	RTEST	– – – –	V-Com Adj. (Flicker Adj.) Red	– – – –

【 Parts List 】

【 Electrical Parts List 】

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a ⚠ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No.,Part No.,and descriptions.

Read description in the Capacitor and Resister as follows:

CAPACITOR

CERAMIC 100P K 50V

50V — Rated Voltage

K — Tolerance Symbols:

Less than 10PF

A: Not specified	B: ± 0.1PF	C: ± 0.25PF
D: ± 0.5PF	F: ± 1PF	G: ± 2PF
R: +0.25 - 0PF	S: +0 - 0.25PF	E: +0 - 1PF

More than 10PF

A: Not specified	B: ± 0.1%	C: ± 0.25%
D: ± 0.5%	F: ± 1%	G: ± 2%
H: ± 3%	J : ± 5%	K: ± 10%
L : ± 15%	M: ± 20%	N: ± 30%
P: +100 - 0%	Q: +30 - 10%	T: +50 - 10%
U: +75 - 10%	V: +20 - 10%	W: +100 - 10%
X: +40 - 20%	Y: +150 - 10%	Z: +80 - 20%

100P — Rated value:P=pico farad,U=Micro farad

CERAMIC — Material :

CERAMIC.............Ceramic
MT - PAPER..........Metallized Paper
POLYESTER.........Polyester
MT - POLYEST......Metallized Polyester
POLYPRO.............Polypropylene
MT - POLYPRO.....Metallized Polypropylene
COMPO FILM........Composite film
MT - COMPO.........Metallized Cmposite
STYRENE.............Styrene
TA - SOLID............Tantalum Solid
AL - SOLID............Aluminium Solid
ELECT..................Electrolytic
NP - ELECT...........Non - polarized Electrolytic
OS - SOLID...........Aluminium Solid with Organic Semiconductive Electrolytic
DL - ELECT...........Double Layered Electrolytic

RESISTER

CARBON 4.7K J A 1/4W

1/4W — Rated Wattage

A — Performance Symbols:
A:General B:Non flammable Z:Low noise
Other :Temperature coefficient

J — Tolerance Symbols:

A: ± 0.05%	B: ± 0.1%	C: ± 0.25%	D: ± 0.5%
F: ± 1%	G: ± 2%	J: ± 5%	K: ± 10%
M: ± 20%	P:+5 - 15%		

4.7K — Rated value, ohms:
K:1,000, M:1,000,000

CARBON — Material :

CARBON ....Carbon
MT - FILM................Metal Film
OXIDE - MT ....Oxide Metal Film
SOLID ....Composition
MT - GLAZE ....Metal Glaze
WIRE WOUND ....Wire Wound
CERAMIC RES.......Ceramic
FUSIBLE RES ....Fusible

IF THERE IS A PROBLEM IN THE LAMP BALLAST UNIT, ONLY USE THESE REPLACEMENT PARTS FOR BEST PERFORMANCE AND SAFETY.

Ref. No.	Part No.	Description
⚠A701	610 269 9012	Lamp Power Source Ass'y (Lamp Ballast P4FA)
⚠Q701	405 140 3704	TR 2SK2698
⚠Q702	405 080 9101	TR 2SC4424-N
	405 080 9002	TR 2SC4424-M
⚠Q703	405 080 9101	TR 2SC4424-N
	405 080 9002	TR 2SC4424-M
⚠Q704	405 080 9101	TR 2SC4424-N
	405 080 9002	TR 2SC4424-M
⚠Q705	405 080 9101	TR 2SC4424-N
	405 080 9002	TR 2SC4424-M
⚠Q706	405 117 7100	TR 2SC3632-L
⚠Q731	406 011 2901	2SC4304 LF639
⚠RL701	645 006 8256	RELAY
⚠R701	402 077 9403	FUSIBLE RES 4.7 KA 1.8W
⚠R713	401 066 5006	OXIDE-MT 22 JA 2W
⚠D701	407 155 8705	DIODE RBV-608 LF-B
⚠D702	407 146 8202	DIODE FMG-G36S
⚠SW701	645 011 6094	SWITCH, THERMAL
⚠SW702	645 020 7044	SWITCH, REED
⚠SW702S	610 009 7919	SOCKET-2P
⚠SW702S1	610 010 0862	TERMINAL PLUG
⚠SW702S2	610 010 0862	TERMINAL PLUG

OUT OF CIRCUIT BOARD

Ref. No.	Part No.	Description
COIL		
△L902	610 233 5453	SOCKET 3P
L902A	610 012 5926	TERMINAL
L903	645 003 3810	CORE, FERRITE
L906	645 003 3834	CORE, FERRITE
L908	645 003 3834	CORE, FERRITE
MISCELLANEOUS		
△LP901	610 264 1196	**LAMP ASS'Y** (METAL HALIDE)
EL901	645 020 8775	LCD PANEL(LCX012BLC-7 **R**)
EL902	645 020 1493	LCD PANEL(LCX012BLD-7 **G**)
EL903	645 020 1509	LCD PANEL(LCX012BLB-6 **B**)
△FN901	645 011 7022	MOTOR, FAN DC 6. 0W
△FN902	645 011 7039	MOTOR, FAN DC 2. 64W
△FN903	645 019 0162	MOTOR, FAN DC 1. 08W
SP901	610 055 5471	SPEAKER
	610 055 5464	SPEAKER
△SW904	610 229 8505	SWITCH, REED
△SW905	610 233 0632	SWITCH, REED
△T901	645 013 5422	TRANS, POWER
T901A	645 003 3810	CORE, FERRITE
WK41A	645 006 9888	FLEXIBLE FLAT CABLE
WK41A-A	645 003 3803	CORE, FERRITE
WK41B	645 012 5775	FLEXIBLE FLAT CABLE
△W902B	645 003 4053	CABLE

610 267 9304 ASSY,PWB,POWER P4FA 1AA0B10C031F0

Ref. No.	Part No.	Description
TRANSISTOR		
△Q601	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
△Q602	405 016 9700	TR 2SC3070-CTV
△Q603	405 022 8506	TR 2SD1710-CTV-YB
Q604	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q606	405 059 9903	TR 2SD1913-R-RA
	405 060 0005	TR 2SD1913-S-RA
INTEGRATED CIRCUIT		
IC602	409 180 2307	IC UPC1093J
CAPACITOR		
△C601	404 066 2303	MT-POLYEST 0. 47U M 275V
△C603	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C604	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C606	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C607	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C608	403 076 7100	CERAMIC 1000P M 1K
△C609	403 076 7100	CERAMIC 1000P M 1K
△C610	404 066 1702	MT-POLYEST 0. 1U M 275V
△C611	403 076 7100	CERAMIC 1000P M 1K
△C612	403 076 7100	CERAMIC 1000P M 1K
△C613	404 047 1806	ELECT 100U M 400V
△C614	403 194 6900	MT-POLYPRO 0. 01U J 800V
△C616	403 165 8605	CERAMIC 470P K 2K
	403 232 1805	CERAMIC 470P K 2K
C617	403 058 9306	POLYESTER 0. 018U J 50V
	403 178 9507	POLYESTER 0. 018U J 50V
△C618	403 056 9704	POLYESTER 0. 01U J 50V
	403 178 9309	POLYESTER 0. 01U J 50V
C619	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
C621	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
C622	403 134 6403	ELECT 2200U M 16V
C623	403 160 8808	ELECT 4700U M 25V
C628	403 126 4509	ELECT 100U M 16V
C629	403 160 5005	ELECT 4700U M 10V
C631	403 067 7805	MT-COMPO 0. 47U J 50V
C632	403 110 1705	ELECT 2200U M 25V
C634	403 148 0107	ELECT 1000U M 16V
C635	403 126 4509	ELECT 100U M 16V
RESISTOR		
RC605	401 008 8607	CARBON 220K JA 1/2W
R601	402 000 8305	SOLID 5. 6M KA 1/2W
R602	402 000 8305	SOLID 5. 6M KA 1/2W
R603	401 169 4906	WIRE WOUND 3. 9 KB 2W
R608	401 008 2605	CARBON 180K JA 1/2W
R609	401 069 8806	OXIDE-MT 82K JA 2W
R610	401 069 8806	OXIDE-MT 82K JA 2W
R611	401 068 6902	OXIDE-MT 56 JA 2W
R612	401 008 2605	CARBON 180K JA 1/2W
R613	401 025 8208	CARBON 22K JA 1/6W
R614	401 024 7400	CARBON 10K JA 1/6W
R616	401 069 6208	OXIDE-MT 82 JA 2W
R617	401 024 6700	CARBON 100 JA 1/6W
R619	401 016 3304	CARBON 2. 2K GA 1/4W
R621	401 025 7805	CARBON 2. 2K JA 1/6W
R622	401 024 7004	CARBON 1K JA 1/6W
R623	401 024 7400	CARBON 10K JA 1/6W
R627	401 024 7400	CARBON 10K JA 1/6W
R628	401 027 8602	CARBON 8. 2K JA 1/6W
R629	401 026 0607	CARBON 270 JA 1/6W
R631	401 024 7004	CARBON 1K JA 1/6W
R632	401 024 7400	CARBON 10K JA 1/6W
R633	401 024 7400	CARBON 10K JA 1/6W
R634	401 066 5204	OXIDE-MT 22 JA 2W
R636	401 009 5803	CARBON 330 JA 1/2W
R637	402 067 6603	FUSIBLE RES 2. 7 J- 1/4W
R643	401 064 3806	OXIDE-MT 1 JA 2W
VARIABLE RESISTOR		
△VR601	645 006 2728	VR, SEMI, 2K S
TRANSFORMER		
△T601	645 009 8123	TRANS, POWER, PULSE
COIL		
△L601	610 240 9123	LINE FILTER
△L602	610 031 6317	LINE FILTER
△L603	610 031 5945	LINE FILTER
L604	610 032 1243	INDUCTOR, 150U K

Ref. No.	Part No.	Description
DIODE		
⚠DB601	407 161 8300	DIODE RBV-408 LF-B
D601	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D602	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D603	407 007 6903	DIODE ES1Z
D604	407 054 3207	ZENER DIODE RD12EB2
	407 164 6907	ZENER DIODE UZ-12BCB
D605	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D606	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D607	407 116 3404	DIODE RU1P
D608	407 103 1604	DIODE RU4YX LF-J3
D609	407 118 2306	DIODE FML-12S LF-F
D609A	610 247 2677	HEAT SINK-S7VA
D609B	610 014 5818	WASHER
D609C	411 045 2209	SCR PAN+SW 3X10
D609D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
D610	407 116 3404	DIODE RU1P
D611	407 007 7405	DIODE EU1
D612	407 118 2306	DIODE FML-12S LF-F
D612A	610 247 2677	HEAT SINK-S7VA
D612B	610 014 5818	WASHER
D612C	411 045 2209	SCR PAN+SW 3X10
D612D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
D613	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D614	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D616	407 005 7308	DIODE EM01Z
D617	407 005 7308	DIODE EM01Z
D618	407 005 7308	DIODE EM01Z
D619	407 005 7308	DIODE EM01Z
D621	407 057 4003	ZENER DIODE RD6.8EB1
	407 164 9908	ZENER DIODE UZ-6.8BCA
D627	407 057 4003	ZENER DIODE RD6.8EB1
	407 164 9908	ZENER DIODE UZ-6.8BCA
D631	407 057 6304	ZENER DIODE RD7.5EB1
	407 151 8808	ZENER DIODE UZ-7.5BCA
D632	407 057 6304	ZENER DIODE RD7.5EB1
	407 151 8808	ZENER DIODE UZ-7.5BCA
MISCELLANEOUS		
Q603A	610 247 7733	HEAT SINK A-G8DA
Q603B	610 080 3145	WASHER TO-3PM
Q603C	411 045 2803	SCR PAN+SW 3X12
Q603D	411 004 4404	NUT HEX 3
Q606A	610 247 2677	HEAT SINK-S7VA
Q606B	610 014 5818	WASHER
Q606C	411 045 2209	SCR PAN+SW 3X10
Q606D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
K6A-1	645 008 4058	TERMINAL, PLUG
K6A-2	645 008 4058	TERMINAL, PLUG
K6A-3	645 008 4058	TERMINAL, PLUG
K6B-1	645 008 4058	TERMINAL, PLUG
K6B-2	645 008 4058	TERMINAL, PLUG
K6C-1	645 008 4058	TERMINAL, PLUG
K6C-2	645 008 4058	TERMINAL, PLUG
K6C-3	645 008 4058	TERMINAL, PLUG
K6D	645 004 2935	PLUG, 7P
K6E	645 004 2898	PLUG, 3P
K6F	645 004 2898	PLUG, 3P
K6G	645 004 2898	PLUG, 3P
K6I	610 014 2886	TERMINAL
K6I-1	610 012 5926	TERMINAL
K6L-1	645 008 4058	TERMINAL, PLUG
K6L-2	645 008 4058	TERMINAL, PLUG
K6M-1	645 008 4058	TERMINAL, PLUG
K6M-2	645 008 4058	TERMINAL, PLUG
K6Q	645 004 2898	PLUG, 3P
⚠PC601	408 016 8803	PC PC113 (VDE0884)
RL601	645 002 1855	RELAY
VA601	408 018 9808	VARISTOR ENC471D-14AS

610 264 1691ASSY,PWB,TM M6GA
1AA0B10C087DA

Ref. No.	Part No.	Description
TRANSISTOR		
Q401	405 044 7808	TR 2SC3689-TA
Q402	405 044 7808	TR 2SC3689-TA
Q403	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q404	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q408	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q409	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q411	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q412	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
INTEGRATED CIRCUIT		
IC401	409 175 3104	IC MC74HC4066F
IC402	409 115 3508	IC MC74HCU04FL
IC406	409 153 5601	IC MC74F244M-L
IC407	409 211 7301	IC MC14053BFR
IC501	409 343 0201	IC LT1206CS8
IC502	409 343 0201	IC LT1206CS8
IC6401	409 371 6800	IC LC21050B-X41
IC6402	409 378 9002	IC LC21018B-Y15
IC6407	409 371 6701	IC LC21018B-X47
CAPACITOR		
C401	403 093 6407	OS-SOLID 100U M 10V
C402	403 069 9500	CERAMIC 0.01U Z 50V
C403	403 069 9500	CERAMIC 0.01U Z 50V
C404	403 093 6407	OS-SOLID 100U M 10V
C405	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C406	403 069 9500	CERAMIC 0.01U Z 50V
C409	403 023 3704	CERAMIC 330P J 50V
C411	403 069 9500	CERAMIC 0.01U Z 50V
C412	403 129 5701	ELECT 47U M 25V
C413	403 069 5601	CERAMIC 0.01U K 50V
C414	403 069 5601	CERAMIC 0.01U K 50V
C415	403 109 6407	ELECT 10U M 50V
C416	403 069 5601	CERAMIC 0.01U K 50V
C417	403 069 5601	CERAMIC 0.01U K 50V
C418	403 024 7107	CERAMIC 390P J 50V
C419	403 109 6407	ELECT 10U M 50V
C421	403 215 2003	CERAMIC 3300P J 50V
C422TM	403 024 9507	CERAMIC 4P C 50V
C423	403 215 2003	CERAMIC 3300P J 50V
C424	403 155 9902	NP-ELECT 2.2U M 50V
C425	403 058 9306	POLYESTER 0.018U J 50V

Ref. No.	Part No.	Description
	403 178 9507	POLYESTER 0.018U J 50V
C428	403 069 9500	CERAMIC 0.01U Z 50V
C429	403 093 6407	OS-SOLID 100U M 10V
C441	403 020 5602	CERAMIC 270P J 50V
C447	403 069 9500	CERAMIC 0.01U Z 50V
C448	403 069 9500	CERAMIC 0.01U Z 50V
C449	403 093 6407	OS-SOLID 100U M 10V
C481	403 069 5601	CERAMIC 0.01U K 50V
C482	403 192 5905	CERAMIC 0.1U K 25V
C483	403 020 5602	CERAMIC 270P J 50V
C486	403 093 8302	OS-SOLID 47U M 10V
C487	403 069 9500	CERAMIC 0.01U Z 50V
C491	403 093 8302	OS-SOLID 47U M 10V
C492	403 069 9500	CERAMIC 0.01U Z 50V
C493	403 020 5602	CERAMIC 270P J 50V
C496	403 093 8302	OS-SOLID 47U M 10V
C497	403 069 9500	CERAMIC 0.01U Z 50V
C498	403 069 9500	CERAMIC 0.01U Z 50V
C499	403 069 9500	CERAMIC 0.01U Z 50V
C506	403 070 2606	CERAMIC 0.1U Z 50V
C507	403 094 8400	OS-SOLID 15U M 25V
C508	403 070 2606	CERAMIC 0.1U Z 50V
C509	403 094 8400	OS-SOLID 15U M 25V
C511	403 070 2606	CERAMIC 0.1U Z 50V
C512	403 094 8400	OS-SOLID 15U M 25V
C513	403 069 5601	CERAMIC 0.01U K 50V
C514	403 135 7409	ELECT 22U M 50V
C515	403 069 5601	CERAMIC 0.01U K 50V
C516	403 135 7409	ELECT 22U M 50V
C519	403 069 5601	CERAMIC 0.01U K 50V
C520	403 208 6308	ELECT 220U M 16V
C521	403 278 9605	CERAMIC 1U Z 16V
C522	403 278 9605	CERAMIC 1U Z 16V
C523	403 278 9605	CERAMIC 1U Z 16V
C525	403 049 4204	ELECT 10U M 50V
C530	403 049 4204	ELECT 10U M 50V
C560	403 049 4204	ELECT 10U M 50V
C6401	403 069 9500	CERAMIC 0.01U Z 50V
C6402	403 093 8302	OS-SOLID 47U M 10V
C6403	403 020 5602	CERAMIC 270P J 50V
C6404	403 020 5602	CERAMIC 270P J 50V
C6406	403 069 9500	CERAMIC 0.01U Z 50V
C6407	403 020 5602	CERAMIC 270P J 50V
C6412	403 093 8302	OS-SOLID 47U M 10V
C6421	403 020 5602	CERAMIC 270P J 50V
C6422	403 093 8302	OS-SOLID 47U M 10V
C6424	403 093 8302	OS-SOLID 47U M 10V
C6426	403 069 9500	CERAMIC 0.01U Z 50V
C6432	403 119 8408	ELECT 47U M 50V
C6433	403 069 9500	CERAMIC 0.01U Z 50V
C6441	403 160 0000	ELECT 470U M 10V
C6442	403 069 9500	CERAMIC 0.01U Z 50V
C6443	403 093 8302	OS-SOLID 47U M 10V
C6444	403 069 9500	CERAMIC 0.01U Z 50V
C6445	403 194 4609	ELECT 470U M 16V
C6446	403 160 0000	ELECT 470U M 10V
C6447	403 069 9500	CERAMIC 0.01U Z 50V
C6448	403 069 9500	CERAMIC 0.01U Z 50V
C6449	403 109 5707	ELECT 220U M 25V
C6450	403 069 9500	CERAMIC 0.01U Z 50V
C6453	403 069 9500	CERAMIC 0.01U Z 50V
C6461	403 020 5602	CERAMIC 270P J 50V
C6463	403 093 8302	OS-SOLID 47U M 10V
C6464	403 069 9500	CERAMIC 0.01U Z 50V
C6469	403 020 5602	CERAMIC 270P J 50V
C6471	403 020 5602	CERAMIC 270P J 50V
C6472	403 020 5602	CERAMIC 270P J 50V
C6476	403 107 9905	ELECT 10U M 16V
C6477	403 069 9500	CERAMIC 0.01U Z 50V
C6478	403 009 5708	CERAMIC 100P J 50V
C6479	403 009 5708	CERAMIC 100P J 50V
RESISTOR		
R401	401 038 9407	MT-GLAZE 680K JA 1/10W
R402	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R403	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R404	401 038 1005	MT-GLAZE 2.2M JA 1/10W
R408	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R409	401 038 0602	MT-GLAZE 220 JA 1/10W
R410	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R411	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R412	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R413	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R414	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R415	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R416	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R417	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R418	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R419	401 038 0503	MT-GLAZE 22 JA 1/10W
R420	401 038 7809	MT-GLAZE 56K JA 1/10W
R421	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R422	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R424	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R426	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R430	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R431	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R432	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R434	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R443	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R445	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R447	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R449	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R450	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R451	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R455	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R458	401 038 7502	MT-GLAZE 56 JA 1/10W
R459	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R462	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R464	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R466	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R471	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R481	401 038 2002	MT-GLAZE 270 JA 1/10W
R482	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R483	401 038 0909	MT-GLAZE 220K JA 1/10W
R484	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R486	401 038 9308	MT-GLAZE 68K JA 1/10W
R487	401 038 7809	MT-GLAZE 56K JA 1/10W
R489	401 037 5707	MT-GLAZE 100K JA 1/10W
R492	401 038 1005	MT-GLAZE 2.2M JA 1/10W
R493	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R495	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R497	401 038 1401	MT-GLAZE 24K JA 1/10W
R498	401 038 6505	MT-GLAZE 47K JA 1/10W
R499	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R501	401 037 9309	MT-GLAZE 18K JA 1/10W
R502	401 038 3207	MT-GLAZE 300K JA 1/10W
R503	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R504	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R505	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R506	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R507	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R508	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R511	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R513	401 037 5202	MT-GLAZE 100 JA 1/10W
R514	401 037 5202	MT-GLAZE 100 JA 1/10W
R516	401 037 5202	MT-GLAZE 100 JA 1/10W
R517	401 037 5202	MT-GLAZE 100 JA 1/10W
R518	401 037 5202	MT-GLAZE 100 JA 1/10W

Ref. No.	Part No.	Description
R519	401 037 5202	MT-GLAZE 100 JA 1/10W
R521	401 037 5202	MT-GLAZE 100 JA 1/10W
R522	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R523	401 037 5202	MT-GLAZE 100 JA 1/10W
R524	401 037 5202	MT-GLAZE 100 JA 1/10W
R526	401 037 5202	MT-GLAZE 100 JA 1/10W
R527	401 037 5202	MT-GLAZE 100 JA 1/10W
R529	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R532	401 037 5202	MT-GLAZE 100 JA 1/10W
R533	401 037 5202	MT-GLAZE 100 JA 1/10W
R534	401 037 5202	MT-GLAZE 100 JA 1/10W
R536	401 037 5202	MT-GLAZE 100 JA 1/10W
R537	401 037 5202	MT-GLAZE 100 JA 1/10W
R538	401 037 5202	MT-GLAZE 100 JA 1/10W
R539	401 037 5202	MT-GLAZE 100 JA 1/10W
R541	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R542	401 037 5202	MT-GLAZE 100 JA 1/10W
R543	401 037 5202	MT-GLAZE 100 JA 1/10W
R544	401 037 5202	MT-GLAZE 100 JA 1/10W
R546	401 037 5202	MT-GLAZE 100 JA 1/10W
R548	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R551	401 037 5202	MT-GLAZE 100 JA 1/10W
R552	401 037 5202	MT-GLAZE 100 JA 1/10W
R553	401 037 5202	MT-GLAZE 100 JA 1/10W
R554	401 037 5202	MT-GLAZE 100 JA 1/10W
R556	401 037 5202	MT-GLAZE 100 JA 1/10W
R557	401 037 5202	MT-GLAZE 100 JA 1/10W
R558	401 037 5202	MT-GLAZE 100 JA 1/10W
R559	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R561	401 037 5202	MT-GLAZE 100 JA 1/10W
R562	401 037 5202	MT-GLAZE 100 JA 1/10W
R563	401 037 5202	MT-GLAZE 100 JA 1/10W
R564	401 037 5202	MT-GLAZE 100 JA 1/10W
R576	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R577	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R578	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R581	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R582	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R583	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6401	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6402	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6404	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6405	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6406	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6407	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6410	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6415	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6417	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6418	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6420	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6421	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6422	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6424	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6425	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6426	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6429	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6433	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6435	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6436	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6438	401 037 6902	MT-GLAZE 120K JA 1/10W
R6439	401 038 2002	MT-GLAZE 270 JA 1/10W
R6440	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6442	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6444	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6446	401 037 6902	MT-GLAZE 120K JA 1/10W
R6447	401 038 2002	MT-GLAZE 270 JA 1/10W
R6448	401 037 6902	MT-GLAZE 120K JA 1/10W
R6449	401 038 2002	MT-GLAZE 270 JA 1/10W
R6450	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6451	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6453	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6454	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6455	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6456	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6460	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6463	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6464	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6465	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6466	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6467	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6468	401 037 6605	MT-GLAZE 120 JA 1/10W
R6469	401 037 6605	MT-GLAZE 120 JA 1/10W
R6470	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6471	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6472	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6473	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6474	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6475	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6477	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6478	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6479	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6480	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6481	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6482	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6483	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6484	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6485	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6486	401 007 6901	CARBON 15 JA 1/2W
R6487	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6488	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6489	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6490	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6491	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6492	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6493	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6494	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6497	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6498	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6499	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6523	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6524	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6526	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6527	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6528	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6529	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6531	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6532	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6533	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6534	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6536	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6537	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6538	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6539	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6541	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6542	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6543	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6544	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6556	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6557	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6561	401 037 5202	MT-GLAZE 100 JA 1/10W
R6562	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6564	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6566	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6567	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6568	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6569	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6571	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6572	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

Ref. No.	Part No.	Description
R6573	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6574	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6575	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6576	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6577	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6578	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6579	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6580	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6581	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6582	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6583	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6589	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6590	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6591	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6592	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6598	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6601	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6602	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6603	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6604	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6901	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6902	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6903	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6904	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6906	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6907	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6908	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6911	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6912	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R6915	401 038 3405	MT-GLAZE 33 JA 1/10W
R6916	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6917	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6919	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6921	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6922	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6923	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6924	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6925	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6926	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6932	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6933	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6934	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6936	401 038 2309	MT-GLAZE 270K JA 1/10W
R6937	401 037 5608	MT-GLAZE 10K JA 1/10W
R6938	401 038 8608	MT-GLAZE 6.2K JA 1/10W
R6939	401 038 2309	MT-GLAZE 270K JA 1/10W
R6940	401 037 5608	MT-GLAZE 10K JA 1/10W
R6941	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6942	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6943	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6946	401 037 5400	MT-GLAZE 1K JA 1/10W
R6947	401 037 5400	MT-GLAZE 1K JA 1/10W
R6949	401 037 5202	MT-GLAZE 100 JA 1/10W
R6951	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6953	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6957	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
VARIABLE RESISTOR		
VR501	645 006 2735	VR,SEMI,20K S
COIL		
L401	645 006 3367	FILTER,EMI 22000PF
L402	645 008 0067	INDUCTOR,39U K
L408	645 007 9368	INDUCTOR,0.68U M
L409	645 002 3934	FILTER,EMI 50MHZ
L421	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L423	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L501	645 014 4127	FILTER,EMI 20MHZ
L502	645 014 4127	FILTER,EMI 20MHZ
L503	645 014 4127	FILTER,EMI 20MHZ
L6401	645 006 3367	FILTER,EMI 22000PF
L6402	645 002 3934	FILTER,EMI 50MHZ
L6406	645 014 4127	FILTER,EMI 20MHZ
L6407	645 014 4127	FILTER,EMI 20MHZ
L6408	645 014 4127	FILTER,EMI 20MHZ
L6409	645 014 4127	FILTER,EMI 20MHZ
L6412	610 229 1315	LC BLOCK
L6421	645 006 3367	FILTER,EMI 22000PF
L6422	645 006 3367	FILTER,EMI 22000PF
L6423	645 002 3934	FILTER,EMI 50MHZ
L6424	645 002 3934	FILTER,EMI 50MHZ
L6425	645 014 4127	FILTER,EMI 20MHZ
L6426	645 014 4127	FILTER,EMI 20MHZ
L6427	645 014 4127	FILTER,EMI 20MHZ
L6429	645 014 4127	FILTER,EMI 20MHZ
L6430	645 014 4127	FILTER,EMI 20MHZ
L6431	645 014 4127	FILTER,EMI 20MHZ
L6432	645 014 4127	FILTER,EMI 20MHZ
L6433	645 014 4127	FILTER,EMI 20MHZ
L6434	645 014 4127	FILTER,EMI 20MHZ
L6435	645 014 4127	FILTER,EMI 20MHZ
L6436	645 014 4127	FILTER,EMI 20MHZ
L6441	645 014 4127	FILTER,EMI 20MHZ
L6442	645 014 4127	FILTER,EMI 20MHZ
L6501	645 002 3934	FILTER,EMI 50MHZ
L6502	645 002 3934	FILTER,EMI 50MHZ
L6503	645 002 3934	FILTER,EMI 50MHZ
L6504	645 002 3934	FILTER,EMI 50MHZ
L6505	645 002 3934	FILTER,EMI 50MHZ
L6506	645 002 3934	FILTER,EMI 50MHZ
L6507	645 002 3934	FILTER,EMI 50MHZ
L6508	645 002 3934	FILTER,EMI 50MHZ
L6509	645 002 3934	FILTER,EMI 50MHZ
L6510	645 002 3934	FILTER,EMI 50MHZ
L6511	645 002 3934	FILTER,EMI 50MHZ
L6512	645 002 3934	FILTER,EMI 50MHZ
L6513	645 002 3934	FILTER,EMI 50MHZ
L6514	645 002 3934	FILTER,EMI 50MHZ
L6515	645 002 3934	FILTER,EMI 50MHZ
L6516	645 002 3934	FILTER,EMI 50MHZ
L6517	645 002 3934	FILTER,EMI 50MHZ
L6518	645 002 3934	FILTER,EMI 50MHZ
L6519	645 002 3934	FILTER,EMI 50MHZ
L6520	645 002 3934	FILTER,EMI 50MHZ
L6521	645 002 3934	FILTER,EMI 50MHZ
L6522	645 002 3934	FILTER,EMI 50MHZ
L6525	645 002 3934	FILTER,EMI 50MHZ
L6530	645 002 3934	FILTER,EMI 50MHZ
L6531	645 014 4127	FILTER,EMI 20MHZ
L6532	645 014 4127	FILTER,EMI 20MHZ
L6533	645 002 3934	FILTER,EMI 50MHZ
L6534	645 014 4127	FILTER,EMI 20MHZ
L6535	645 014 4127	FILTER,EMI 20MHZ
L6536	645 014 4127	FILTER,EMI 20MHZ
L6537	645 014 4127	FILTER,EMI 20MHZ
L6538	645 014 4127	FILTER,EMI 20MHZ
L6540	645 002 3934	FILTER,EMI 50MHZ
L6545	645 002 3934	FILTER,EMI 50MHZ
L6550	645 002 3934	FILTER,EMI 50MHZ
DIODE		
D401	407 082 1909	VARACTOR DI 1T363-T8
D402	407 082 1909	VARACTOR DI 1T363-T8
D403	407 082 1909	VARACTOR DI 1T363-T8
D406	407 082 1909	VARACTOR DI 1T363-T8
D6401	407 048 3206	ZENER DIODE EQA02-07A
	407 057 4102	ZENER DIODE RD6.8EB2

Ref. No.	Part No.	Description
	407 151 8709	ZENER DIODE UZ-6.8BCB
D6402	407 004 8009	DIODE DSB015-TA
D6403	407 004 8009	DIODE DSB015-TA
D6406	407 048 3206	ZENER DIODE EQA02-07A
	407 057 4102	ZENER DIODE RD6.8EB2
	407 151 8709	ZENER DIODE UZ-6.8BCB
D6407	407 004 8009	DIODE DSB015-TA
D6408	407 004 8009	DIODE DSB015-TA
D6409	407 004 8009	DIODE DSB015-TA

MISCELLANEOUS

Ref. No.	Part No.	Description
TE16	645 000 0409	TERMINAL
TE23	645 000 0409	TERMINAL
TP13	645 000 0409	TERMINAL
TP14	645 000 0409	TERMINAL
TP16	645 000 0409	TERMINAL
TP17	645 000 0409	TERMINAL
TP18	645 000 0409	TERMINAL
TP19	645 000 0409	TERMINAL
TP21	645 000 0409	TERMINAL
TP22	645 000 0409	TERMINAL
TP24	645 000 0409	TERMINAL
TP25	645 000 0409	TERMINAL
TP26	645 000 0409	TERMINAL
TP27	645 000 0409	TERMINAL
TP28	645 000 0409	TERMINAL
TP29	645 000 0409	TERMINAL
TP30	645 000 0409	TERMINAL
K4A	645 004 2935	PLUG, 7P
K4B	645 004 2911	PLUG, 5P
K4C	645 004 2942	PLUG, 8P
K4D	645 004 2898	PLUG, 3P
K4E	645 004 2898	PLUG, 3P
K4F	645 004 2904	PLUG, 4P
K4G	645 004 2928	PLUG, 6P
K4I	645 004 2928	PLUG, 6P
K4L	645 004 2911	PLUG, 5P
K4M	645 004 2898	PLUG, 3P
K41A	645 004 8609	SOCKET, FPC 30P
K41B	645 014 3083	SOCKET, 20P
K5B	645 015 7882	SOCKET, FPC 24P
K5G	645 015 7882	SOCKET, FPC 24P
K5R	645 015 7882	SOCKET, FPC 24P

610 264 5057 1AA0B10C087EB
ASSY,PWB,SUB POWER P6GA

MISCELLANEOUS

Ref. No.	Part No.	Description
△VA2001	407 130 2902	VARISTOR ENC471D-14A
VA2001A	610 250 8703	COVER, CONDENCER-G8DV
△F2000	423 022 2102	FUSE 250V 4A
F2000A	645 000 5077	HOLDER, FUSE
F2000B	645 000 5077	HOLDER, FUSE
F2000C	610 258 4370	LABEL FUSE-P6BA
△SW2001	645 005 0510	SWITCH, POWER 2P-2TX2

610 264 9239 1AA0B10C091B0
ASSY,PWB,SCAN CHANGE M6GA

TRANSISTOR

Ref. No.	Part No.	Description
Q2001	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2002	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2003	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2101	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2102	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2103	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2104	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2106	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2107	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2108	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2109	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2111	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2112	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2113	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2114	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2201	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2202	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2203	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2204	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2206	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2207	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2208	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2209	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2210	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2211	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2212	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2213	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2214	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC2001	409 378 8906	IC LC21018B-Y14
IC2003	409 116 0308	IC MC74HC240F
IC2004	409 115 3508	IC MC74HCU04FL
IC2006	409 116 0605	IC MC74HC244FL
IC2101	410 153 2200	IC MB40978PF-G-BND
IC2102	409 367 2809	IC BA178M09T
IC2201	409 375 2204	IC MC44250FN
	409 386 6604	IC MC44251FN
IC2202	409 271 3701	IC SN74LS157ML1
IC2203	409 271 3701	IC SN74LS157ML1
IC2204	410 252 7403	IC UPD485506G5-35-7JF
IC2206	410 252 7403	IC UPD485506G5-35-7JF

CAPACITOR

Ref. No.	Part No.	Description
C2001	403 070 2606	CERAMIC 0.1U Z 50V
C2002	403 070 2606	CERAMIC 0.1U Z 50V
C2003	403 070 2606	CERAMIC 0.1U Z 50V
C2004	403 069 9500	CERAMIC 0.01U Z 50V

Ref. No.	Part No.	Description
C2006	403 070 2606	CERAMIC 0.1U Z 50V
C2007	403 306 0000	CERAMIC 330P J 50V
C2008	403 020 0607	CERAMIC 27P J 50V
C2009	403 069 5601	CERAMIC 0.01U K 50V
C2011	403 067 5702	MT-COMPO 1U J 50V
C2012	403 059 3006	POLYESTER 2200P J 50V
	403 179 2705	POLYESTER 2200P J 50V
C2013	403 018 7403	CERAMIC 220P J 50V
C2014	403 069 9500	CERAMIC 0.01U Z 50V
C2015	403 042 3006	ELECT 100U M 16V
C2016	403 018 0503	CERAMIC 22P J 50V
C2017	403 012 7300	CERAMIC 15P J 50V
C2018	403 012 7300	CERAMIC 15P J 50V
C2019	403 214 5203	POLYESTER 0.012U J 50V
C2022	403 056 7304	POLYESTER 1000P J 50V
C2023	403 059 3006	POLYESTER 2200P J 50V
C2024	403 067 5702	MT-COMPO 1U J 50V
C2026	403 069 9500	CERAMIC 0.01U Z 50V
C2027	403 070 2606	CERAMIC 0.1U Z 50V
C2028	403 058 7609	POLYESTER 1800P J 50V
C2029	403 042 3006	ELECT 100U M 16V
C2101	403 050 7102	ELECT 3.3U M 50V
C2102	403 069 5601	CERAMIC 0.01U K 50V
C2103	403 014 3508	CERAMIC 18P J 50V
C2104	403 020 0508	CERAMIC 27P J 50V
C2106	403 010 8606	CERAMIC 12P J 50V
C2108	403 014 3508	CERAMIC 18P J 50V
C2109	403 020 0508	CERAMIC 27P J 50V
C2111	403 010 8606	CERAMIC 12P J 50V
C2113	403 014 3508	CERAMIC 18P J 50V
C2114	403 020 0508	CERAMIC 27P J 50V
C2116	403 010 8606	CERAMIC 12P J 50V
C2117	403 009 5708	CERAMIC 100P J 50V
C2118	403 042 3006	ELECT 100U M 16V
C2119	403 069 9500	CERAMIC 0.01U Z 50V
C2121	403 050 0509	ELECT 2.2U M 50V
C2122	403 069 9500	CERAMIC 0.01U Z 50V
C2123	403 069 9500	CERAMIC 0.01U Z 50V
C2124	403 269 2608	ELECT 330U M 6.3V
C2126	403 069 9500	CERAMIC 0.01U Z 50V
C2127	403 269 2608	ELECT 330U M 6.3V
C2128	403 069 9500	CERAMIC 0.01U Z 50V
C2129	403 269 2608	ELECT 330U M 6.3V
C2131	403 069 9500	CERAMIC 0.01U Z 50V
C2132	403 269 2707	ELECT 220U M 10V
C2201	403 043 9601	ELECT 47U M 16V
C2202	403 024 2102	CERAMIC 39P J 50V
C2203	403 142 7508	POLYESTER 0.056U J 50V
C2204	403 042 3006	ELECT 100U M 16V
C2206	403 069 9500	CERAMIC 0.01U Z 50V
C2207	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C2208	403 043 9601	ELECT 47U M 16V
C2209	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C2211	403 070 2606	CERAMIC 0.1U Z 50V
C2212	403 042 3006	ELECT 100U M 16V
C2213	403 070 2606	CERAMIC 0.1U Z 50V
C2214	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2216	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2217	403 009 5708	CERAMIC 100P J 50V
C2218	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2219	403 009 5708	CERAMIC 100P J 50V
C2221	403 009 5708	CERAMIC 100P J 50V
C2222	403 042 3006	ELECT 100U M 16V
C2223	403 070 2606	CERAMIC 0.1U Z 50V

Ref. No.	Part No.	Description
C2224	403 069 9500	CERAMIC 0.01U Z 50V
C2227	403 043 9601	ELECT 47U M 16V
C2301	403 070 2606	CERAMIC 0.1U Z 50V
C2302	403 042 3006	ELECT 100U M 16V
C2304	403 070 2606	CERAMIC 0.1U Z 50V
C2306	403 070 2606	CERAMIC 0.1U Z 50V
C2308	403 070 2606	CERAMIC 0.1U Z 50V
RESISTOR		
R2001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2005	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2006	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2007	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2008	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2009	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2010	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2013	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2014	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2015	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2016	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2017	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2018	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2021	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2022	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2023	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2024	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2026	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2028	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2029	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2031	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2032	401 037 8005	MT-GLAZE 15K JA 1/10W
R2033	401 038 5300	MT-GLAZE 39K JA 1/10W
R2034	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2036	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2037	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2038	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2039	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2042	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2043	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2044	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2046	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2047	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2049	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2051	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2052	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2054	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2058	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2059	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2061	401 038 9407	MT-GLAZE 680K JA 1/10W
R2062	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2064	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2065	401 037 9309	MT-GLAZE 18K JA 1/10W
R2066	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2067	401 038 0503	MT-GLAZE 22 JA 1/10W
R2068	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2069	401 037 5608	MT-GLAZE 10K JA 1/10W
R2071	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R2072	401 038 0800	MT-GLAZE 22K JA 1/10W
R2073	401 037 5608	MT-GLAZE 10K JA 1/10W
R2074	401 037 5608	MT-GLAZE 10K JA 1/10W
R2077	401 037 5202	MT-GLAZE 100 JA 1/10W
R2078	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2079	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2080	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2081	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

Ref. No.	Part No.	Description
R2082	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2083	401 038 7502	MT-GLAZE 56 JA 1/10W
R2084	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2086	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2087	401 037 5707	MT-GLAZE 100K JA 1/10W
R2088	401 037 5608	MT-GLAZE 10K JA 1/10W
R2089	401 038 0800	MT-GLAZE 22K JA 1/10W
R2091	401 037 6506	MT-GLAZE 12 JA 1/10W
R2092	401 039 0502	MT-GLAZE 82K JA 1/10W
R2094	401 037 8005	MT-GLAZE 15K JA 1/10W
R2096	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R2097	401 037 5608	MT-GLAZE 10K JA 1/10W
R2098	401 037 5608	MT-GLAZE 10K JA 1/10W
R2099	401 038 0800	MT-GLAZE 22K JA 1/10W
R2101	401 038 7502	MT-GLAZE 56 JA 1/10W
R2104	401 037 5400	MT-GLAZE 1K JA 1/10W
R2106	401 037 5400	MT-GLAZE 1K JA 1/10W
R2107	401 037 5400	MT-GLAZE 1K JA 1/10W
R2108	401 038 6307	MT-GLAZE 470 JA 1/10W
R2109	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2111	401 038 6307	MT-GLAZE 470 JA 1/10W
R2112	401 037 5400	MT-GLAZE 1K JA 1/10W
R2114	401 037 5202	MT-GLAZE 100 JA 1/10W
R2116	401 038 7502	MT-GLAZE 56 JA 1/10W
R2119	401 037 5400	MT-GLAZE 1K JA 1/10W
R2121	401 037 5400	MT-GLAZE 1K JA 1/10W
R2122	401 037 5400	MT-GLAZE 1K JA 1/10W
R2123	401 038 6307	MT-GLAZE 470 JA 1/10W
R2124	401 037 5400	MT-GLAZE 1K JA 1/10W
R2126	401 038 6307	MT-GLAZE 470 JA 1/10W
R2127	401 037 5400	MT-GLAZE 1K JA 1/10W
R2129	401 037 5202	MT-GLAZE 100 JA 1/10W
R2131	401 038 7502	MT-GLAZE 56 JA 1/10W
R2134	401 037 5400	MT-GLAZE 1K JA 1/10W
R2136	401 037 5400	MT-GLAZE 1K JA 1/10W
R2137	401 037 5400	MT-GLAZE 1K JA 1/10W
R2138	401 038 6307	MT-GLAZE 470 JA 1/10W
R2139	401 037 9101	MT-GLAZE 180 JA 1/10W
R2141	401 038 9001	MT-GLAZE 680 JA 1/10W
R2142	401 038 6307	MT-GLAZE 470 JA 1/10W
R2143	401 037 5400	MT-GLAZE 1K JA 1/10W
R2145	401 037 5202	MT-GLAZE 100 JA 1/10W
R2146	401 037 5202	MT-GLAZE 100 JA 1/10W
R2148	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2149	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2153	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2158	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2202	401 038 7502	MT-GLAZE 56 JA 1/10W
R2203	401 038 2200	MT-GLAZE 27K JA 1/10W
R2204	401 037 5608	MT-GLAZE 10K JA 1/10W
R2206	401 038 6307	MT-GLAZE 470 JA 1/10W
R2207	401 037 5400	MT-GLAZE 1K JA 1/10W
R2208	401 038 6307	MT-GLAZE 470 JA 1/10W
R2209	401 038 3504	MT-GLAZE 330 JA 1/10W
R2210	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R2211	401 037 5400	MT-GLAZE 1K JA 1/10W
R2213	401 037 5400	MT-GLAZE 1K JA 1/10W
R2214	401 037 5608	MT-GLAZE 10K JA 1/10W
R2216	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2217	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2219	401 038 7502	MT-GLAZE 56 JA 1/10W
R2220	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R2221	401 038 2200	MT-GLAZE 27K JA 1/10W
R2222	401 037 5608	MT-GLAZE 10K JA 1/10W
R2223	401 038 6307	MT-GLAZE 470 JA 1/10W
R2224	401 038 5003	MT-GLAZE 390 JA 1/10W
R2226	401 038 6307	MT-GLAZE 470 JA 1/10W
R2227	401 037 5400	MT-GLAZE 1K JA 1/10W
R2231	401 038 5003	MT-GLAZE 390 JA 1/10W

Ref. No.	Part No.	Description
R2232	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2233	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2234	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2237	401 038 7502	MT-GLAZE 56 JA 1/10W
R2238	401 038 2200	MT-GLAZE 27K JA 1/10W
R2239	401 037 5608	MT-GLAZE 10K JA 1/10W
R2241	401 038 6307	MT-GLAZE 470 JA 1/10W
R2242	401 038 7601	MT-GLAZE 560 JA 1/10W
R2243	401 038 6307	MT-GLAZE 470 JA 1/10W
R2244	401 037 5400	MT-GLAZE 1K JA 1/10W
R2248	401 038 5003	MT-GLAZE 390 JA 1/10W
R2249	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2251	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2252	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2283	401 038 7205	MT-GLAZE 5.1K JA 1/10W
R2284	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2286	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2287	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2288	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2289	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2291	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2292	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2293	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
TRANSFORMER		
T2001	645 017 7514	TRANS, OSC, 28.63MHZ
COIL		
L2001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2002	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2003	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2004	645 015 5499	INDUCTOR, 0.82U K
L2006	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2007	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2008	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2009	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2013	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2101	645 001 4802	INDUCTOR, 18U K
L2102	645 001 4802	INDUCTOR, 18U K
L2103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2104	645 001 4802	INDUCTOR, 18U K
L2106	645 001 4802	INDUCTOR, 18U K
L2107	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2108	645 001 4802	INDUCTOR, 18U K
L2109	645 001 4802	INDUCTOR, 18U K
L2111	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2112	645 006 3367	FILTER, EMI 22000PF
L2113	610 229 1315	LC BLOCK
L2114	645 006 3367	FILTER, EMI 22000PF
L2117	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2201	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2202	645 011 1389	FILTER, LP 7MHZ
L2203	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2204	645 003 8808	FILTER, LP 3.5MHZ
L2206	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2207	645 003 8808	FILTER, LP 3.5MHZ
DIODE		
D2001	407 082 1800	VARACTOR DI 1T362-T8
D2005	407 091 2102	VARACTOR DI SVC201SPA
MISCELLANEOUS		
TE20	645 000 0409	TERMINAL
TE21	645 000 0409	TERMINAL
TP20F	645 000 0409	TERMINAL
TP20G	645 000 0409	TERMINAL
K22A	645 004 2911	PLUG, 5P

Ref. No.	Part No.	Description
K22E	645 004 2898	PLUG, 3P
K22G	645 004 2911	PLUG, 5P
K22H	645 004 2904	PLUG, 4P
K22M	645 004 2898	PLUG, 3P
K22W	645 004 2898	PLUG, 3P

610 266 0913 ASSY,PWB,SIGNAL P6GAB 1AA0B10C13100

Ref. No.	Part No.	Description
TRANSISTOR		
Q201	405 015 8704	TR 2SC2812-L6-TA
Q202	405 015 8704	TR 2SC2812-L6-TA
Q203	405 015 8704	TR 2SC2812-L6-TA
Q241	405 015 8704	TR 2SC2812-L6-TA
Q242	405 015 8704	TR 2SC2812-L6-TA
Q243	405 015 8704	TR 2SC2812-L6-TA
Q313	405 002 6706	TR 2SA1179-M6-TA
Q314	405 015 8704	TR 2SC2812-L6-TA
Q316	405 015 8704	TR 2SC2812-L6-TA
Q317	405 015 8704	TR 2SC2812-L6-TA
Q318	405 002 6706	TR 2SA1179-M6-TA
Q319	405 002 6706	TR 2SA1179-M6-TA
Q321	405 002 6706	TR 2SA1179-M6-TA
Q370	405 015 8704	TR 2SC2812-L6-TA
Q6301	405 015 8704	TR 2SC2812-L6-TA
Q6306	405 015 8704	TR 2SC2812-L6-TA
Q6311	405 015 8704	TR 2SC2812-L6-TA
Q6316	405 015 8704	TR 2SC2812-L6-TA
Q6321	405 015 8704	TR 2SC2812-L6-TA
Q6326	405 015 8704	TR 2SC2812-L6-TA
Q6331	405 015 8704	TR 2SC2812-L6-TA
Q6336	405 015 8704	TR 2SC2812-L6-TA
Q6341	405 015 8704	TR 2SC2812-L6-TA
Q6346	405 015 8704	TR 2SC2812-L6-TA
Q6351	405 015 8704	TR 2SC2812-L6-TA
Q6356	405 015 8704	TR 2SC2812-L6-TA
Q6361	405 015 8704	TR 2SC2812-L6-TA
Q6366	405 015 8704	TR 2SC2812-L6-TA
Q6371	405 015 8704	TR 2SC2812-L6-TA
Q6376	405 015 8704	TR 2SC2812-L6-TA
Q6381	405 015 8704	TR 2SC2812-L6-TA
Q6386	405 015 8704	TR 2SC2812-L6-TA
Q7303	405 015 8704	TR 2SC2812-L6-TA
Q7306	405 015 8704	TR 2SC2812-L6-TA
INTEGRATED CIRCUIT		
IC201	409 343 0102	IC IR3Y07
IC251	410 230 9702	IC UPC5024GF-036
IC252	410 230 9702	IC UPC5024GF-036
IC351	409 284 0704	IC CXA1420P
IC352	409 356 4203	IC TDA4680/V6
IC6201	409 350 3400	IC LT1253CS8
IC6202	409 350 3400	IC LT1253CS8
IC6203	409 350 3400	IC LT1253CS8
IC6204	409 083 8000	IC LA6082M-TP-T1
IC6205	409 350 3400	IC LT1253CS8
IC6206	409 350 3400	IC LT1253CS8
IC6207	409 350 3400	IC LT1253CS8
IC6209	409 350 3400	IC LT1253CS8
IC6210	409 350 3400	IC LT1253CS8
IC6211	409 350 3400	IC LT1253CS8
IC7221	409 367 2809	IC BA178M09T
IC7222	409 314 1008	IC PQ30RV31
IC7223	409 365 2801	IC BA178M08T
IC7301	409 083 8000	IC LA6082M-TP-T1
CAPACITOR		
C201	403 107 9509	ELECT 100U M 10V
C202	403 069 9500	CERAMIC 0.01U Z 50V
C203	403 107 9509	ELECT 100U M 10V
C205	403 258 3302	ELECT 33U M 16V
C206	403 069 9500	CERAMIC 0.01U Z 50V
C207	403 069 9500	CERAMIC 0.01U Z 50V
C208	403 069 9500	CERAMIC 0.01U Z 50V
C209	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C210	403 258 3302	ELECT 33U M 16V
C211	403 069 9500	CERAMIC 0.01U Z 50V
C212	403 069 9500	CERAMIC 0.01U Z 50V
C213	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C214	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C215	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C216	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C217	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C218	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C219	403 018 0701	CERAMIC 22P J 50V
C221	403 018 0701	CERAMIC 22P J 50V
C222	403 018 0701	CERAMIC 22P J 50V
C223	403 069 9500	CERAMIC 0.01U Z 50V
C224	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C225	403 200 0700	MT-POLYEST 0.1U J 50V
	403 067 5603	MT-COMPO 0.1U J 50V
C226	403 069 9500	CERAMIC 0.01U Z 50V
C227	403 069 9500	CERAMIC 0.01U Z 50V
C228	403 069 9500	CERAMIC 0.01U Z 50V
C229	403 069 9500	CERAMIC 0.01U Z 50V
C230	403 192 5905	CERAMIC 0.1U K 25V
C231	403 021 0200	CERAMIC 3P C 50V
C232	403 028 4102	CERAMIC 56P J 50V
C233	403 028 4102	CERAMIC 56P J 50V
C234	403 021 0200	CERAMIC 3P C 50V
C236	403 021 0200	CERAMIC 3P C 50V
C237	403 028 4102	CERAMIC 56P J 50V
C239	403 069 9500	CERAMIC 0.01U Z 50V
C242	403 205 4604	ELECT 10U K 25V
C243	403 069 9500	CERAMIC 0.01U Z 50V
C245	403 109 5707	ELECT 220U M 25V
C251	403 256 2406	CERAMIC 0.22U Z 50V
C252	403 256 2406	CERAMIC 0.22U Z 50V
C253	403 256 2406	CERAMIC 0.22U Z 50V
C254	403 256 2406	CERAMIC 0.22U Z 50V
C255	403 256 2406	CERAMIC 0.22U Z 50V
C256	403 256 2406	CERAMIC 0.22U Z 50V
C257	403 256 2406	CERAMIC 0.22U Z 50V
C258	403 256 2406	CERAMIC 0.22U Z 50V
C259	403 256 2406	CERAMIC 0.22U Z 50V
C260	403 256 2406	CERAMIC 0.22U Z 50V
C261	403 256 2406	CERAMIC 0.22U Z 50V
C262	403 256 2406	CERAMIC 0.22U Z 50V
C263	403 256 2406	CERAMIC 0.22U Z 50V
C264	403 256 2406	CERAMIC 0.22U Z 50V
C265	403 256 2406	CERAMIC 0.22U Z 50V
C266	403 256 2406	CERAMIC 0.22U Z 50V
C267	403 256 2406	CERAMIC 0.22U Z 50V
C268	403 256 2406	CERAMIC 0.22U Z 50V
C351	403 069 9500	CERAMIC 0.01U Z 50V
C352	403 248 1608	ELECT 47U M 16V
C353	403 248 2001	ELECT 4.7U M 25V
C354	403 257 0807	ELECT 0.47U M 50V
C356	403 085 4008	NP-ELECT 10U M 16V
C357	403 085 4008	NP-ELECT 10U M 16V

Ref. No.	Part No.	Description		
C358	403 134 5901	ELECT	33U M	16V
C359	403 085 4008	NP-ELECT	10U M	16V
C361	403 085 4008	NP-ELECT	10U M	16V
C362	403 107 9905	ELECT	10U M	16V
C363	403 107 9905	ELECT	10U M	16V
C364	403 094 0008	OS-SOLID	10U M	16V
C366	403 192 5905	CERAMIC	0.1U K	25V
C367	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C368	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C369	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C370	403 028 9800	CERAMIC	560P J	50V
C371	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C372	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C373	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C374	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C376	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C377	403 200 0700	MT-POLYEST	0.1U J	50V
	403 067 5603	MT-COMPO	0.1U J	50V
C378	403 049 0800	ELECT	1U M	50V
C379	403 067 7300	MT-COMPO	0.33U J	50V
C381	403 012 6808	CERAMIC	15P J	50V
C383	403 067 6709	MT-COMPO	0.22U J	50V
C384	403 012 6808	CERAMIC	15P J	50V
C387	403 067 6709	MT-COMPO	0.22U J	50V
C388	403 012 6808	CERAMIC	15P J	50V
C391	403 067 6709	MT-COMPO	0.22U J	50V
C392	403 069 9500	CERAMIC	0.01U Z	50V
C393	403 125 5606	ELECT	100U M	16V
C396	403 125 5606	ELECT	100U M	16V
C397	403 069 9500	CERAMIC	0.01U Z	50V
C6201	403 134 5505	ELECT	10U M	25V
C6202	403 134 5505	ELECT	10U M	25V
C6205	403 134 5505	ELECT	10U M	25V
C6207	403 134 5505	ELECT	10U M	25V
C6209	403 134 5505	ELECT	10U M	25V
C6210	403 134 5505	ELECT	10U M	25V
C6213	403 125 5606	ELECT	100U M	16V
C6214	403 134 5505	ELECT	10U M	25V
C6215	403 134 5505	ELECT	10U M	25V
C6219	403 134 5505	ELECT	10U M	25V
C6220	403 134 5505	ELECT	10U M	25V
C6222	403 134 5505	ELECT	10U M	25V
C6223	403 134 5505	ELECT	10U M	25V
C6227	403 134 5505	ELECT	10U M	25V
C6228	403 134 5505	ELECT	10U M	25V
C6231	403 134 5505	ELECT	10U M	25V
C6232	403 134 5505	ELECT	10U M	25V
C6235	403 134 5505	ELECT	10U M	25V
C6236	403 134 5505	ELECT	10U M	25V
C6241	403 107 9905	ELECT	10U M	16V
C6301	403 020 0409	CERAMIC	27P J	50V
C6304	403 069 9500	CERAMIC	0.01U Z	50V
C6306	403 020 0409	CERAMIC	27P J	50V
C6311	403 020 0409	CERAMIC	27P J	50V
C6314	403 069 9500	CERAMIC	0.01U Z	50V
C6316	403 020 0409	CERAMIC	27P J	50V
C6321	403 020 0409	CERAMIC	27P J	50V
C6324	403 069 9500	CERAMIC	0.01U Z	50V
C6326	403 020 0409	CERAMIC	27P J	50V
C6329	403 199 3102	ELECT	1000U M	10V
C6331	403 020 0409	CERAMIC	27P J	50V
C6334	403 069 9500	CERAMIC	0.01U Z	50V
C6336	403 020 0409	CERAMIC	27P J	50V
C6341	403 020 0409	CERAMIC	27P J	50V
C6344	403 069 9500	CERAMIC	0.01U Z	50V
C6346	403 020 0409	CERAMIC	27P J	50V
C6351	403 020 0409	CERAMIC	27P J	50V
C6354	403 069 9500	CERAMIC	0.01U Z	50V
C6356	403 020 0409	CERAMIC	27P J	50V
C6359	403 199 3102	ELECT	1000U M	10V
C6361	403 020 0409	CERAMIC	27P J	50V
C6364	403 069 9500	CERAMIC	0.01U Z	50V
C6366	403 020 0409	CERAMIC	27P J	50V
C6371	403 020 0409	CERAMIC	27P J	50V
C6374	403 069 9500	CERAMIC	0.01U Z	50V
C6376	403 020 0409	CERAMIC	27P J	50V
C6381	403 020 0409	CERAMIC	27P J	50V
C6384	403 069 9500	CERAMIC	0.01U Z	50V
C6386	403 020 0409	CERAMIC	27P J	50V
C6389	403 199 3102	ELECT	1000U M	10V
C7221	403 069 9500	CERAMIC	0.01U Z	50V
C7222	403 109 5707	ELECT	220U M	25V
C7223	403 056 7304	POLYESTER	1000P J	50V
C7224	403 069 9500	CERAMIC	0.01U Z	50V
C7226	403 107 9509	ELECT	100U M	10V
C7227	403 125 5606	ELECT	100U M	16V
C7231	403 094 8004	OS-SOLID	10U M	25V
C7232	403 094 8004	OS-SOLID	10U M	25V
C7233	403 094 8004	OS-SOLID	10U M	25V
C7241	403 107 9509	ELECT	100U M	10V
C7242	403 069 9500	CERAMIC	0.01U Z	50V
C7243	403 069 9500	CERAMIC	0.01U Z	50V
C7244	403 109 5707	ELECT	220U M	25V
C7246	403 205 4604	ELECT	10U K	25V
C7247	403 069 9500	CERAMIC	0.01U Z	50V
C7248	403 205 4604	ELECT	10U K	25V
C7249	403 069 9500	CERAMIC	0.01U Z	50V
C7251	403 125 5606	ELECT	100U M	16V
C7252	403 107 9905	ELECT	10U M	16V
C7253	403 085 6804	NP-ELECT	47U M	16V
C7254	403 107 9905	ELECT	10U M	16V
C7256	403 024 2300	CERAMIC	39P J	50V
C7257	403 024 2300	CERAMIC	39P J	50V
C7258	403 125 5606	ELECT	100U M	16V
C7259	403 125 5606	ELECT	100U M	16V
C7261	403 107 9905	ELECT	10U M	16V
C7262	403 085 6804	NP-ELECT	47U M	16V
C7263	403 107 9905	ELECT	10U M	16V
C7264	403 024 2300	CERAMIC	39P J	50V
C7266	403 024 2300	CERAMIC	39P J	50V
C7267	403 125 5606	ELECT	100U M	16V
C7268	403 125 5606	ELECT	100U M	16V
C7269	403 107 9905	ELECT	10U M	16V
C7271	403 085 6804	NP-ELECT	47U M	16V
C7272	403 107 9905	ELECT	10U M	16V
C7273	403 024 2300	CERAMIC	39P J	50V
C7274	403 024 2300	CERAMIC	39P J	50V
C7281	403 256 2406	CERAMIC	0.22U Z	50V
C7282	403 256 2406	CERAMIC	0.22U Z	50V
C7283	403 256 2406	CERAMIC	0.22U Z	50V
C7284	403 256 2406	CERAMIC	0.22U Z	50V
C7285	403 256 2406	CERAMIC	0.22U Z	50V
C7286	403 256 2406	CERAMIC	0.22U Z	50V
C7287	403 256 2406	CERAMIC	0.22U Z	50V
C7288	403 256 2406	CERAMIC	0.22U Z	50V
C7289	403 256 2406	CERAMIC	0.22U Z	50V
C7301	403 109 6308	ELECT	1U M	50V
C7303	403 018 0602	CERAMIC	22P J	50V
C7304	403 085 4008	NP-ELECT	10U M	16V
C7305	403 014 9302	CERAMIC	180P J	50V

Ref. No.	Part No.	Description
C7311	403 107 9905	ELECT 10U M 16V
C7312	403 069 9500	CERAMIC 0. 01U Z 50V
C7313	403 069 9500	CERAMIC 0. 01U Z 50V
C7316	403 069 9500	CERAMIC 0. 01U Z 50V
C7319	403 069 9500	CERAMIC 0. 01U Z 50V
C7323	403 069 9500	CERAMIC 0. 01U Z 50V
C7326	403 069 9500	CERAMIC 0. 01U Z 50V
C7329	403 069 9500	CERAMIC 0. 01U Z 50V
C7333	403 069 9500	CERAMIC 0. 01U Z 50V
C7336	403 069 9500	CERAMIC 0. 01U Z 50V
C7339	403 069 9500	CERAMIC 0. 01U Z 50V
C7343	403 069 9500	CERAMIC 0. 01U Z 50V
RESISTOR		
R200	401 013 3307	CARBON 12 JB 1/4W
R201	401 038 9308	MT-GLAZE 68K JA 1/10W
R202	401 038 5300	MT-GLAZE 39K JA 1/10W
R203	401 038 9308	MT-GLAZE 68K JA 1/10W
R204	401 038 1401	MT-GLAZE 24K JA 1/10W
R205	401 038 0800	MT-GLAZE 22K JA 1/10W
R206	401 038 5102	MT-GLAZE 3. 9K JA 1/10W
R207	401 037 5608	MT-GLAZE 10K JA 1/10W
R208	401 037 5608	MT-GLAZE 10K JA 1/10W
R209	401 037 5608	MT-GLAZE 10K JA 1/10W
R210	401 037 8005	MT-GLAZE 15K JA 1/10W
R211	401 038 1401	MT-GLAZE 24K JA 1/10W
R212	401 037 5400	MT-GLAZE 1K JA 1/10W
R213	401 037 5400	MT-GLAZE 1K JA 1/10W
R214	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R215	401 037 5400	MT-GLAZE 1K JA 1/10W
R216	401 037 5400	MT-GLAZE 1K JA 1/10W
R217	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R218	401 037 5400	MT-GLAZE 1K JA 1/10W
R219	401 037 5400	MT-GLAZE 1K JA 1/10W
R221	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R222	401 037 5400	MT-GLAZE 1K JA 1/10W
R223	401 038 0800	MT-GLAZE 22K JA 1/10W
R224	401 037 5608	MT-GLAZE 10K JA 1/10W
R225	401 037 5608	MT-GLAZE 10K JA 1/10W
R226	401 038 0800	MT-GLAZE 22K JA 1/10W
R227	401 037 5400	MT-GLAZE 1K JA 1/10W
R228	401 037 5400	MT-GLAZE 1K JA 1/10W
R232	401 038 3603	MT-GLAZE 3. 3K JA 1/10W
R234	401 038 3603	MT-GLAZE 3. 3K JA 1/10W
R235	401 038 3603	MT-GLAZE 3. 3K JA 1/10W
R237	401 039 0304	MT-GLAZE 820 JA 1/10W
R238	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R239	401 037 5400	MT-GLAZE 1K JA 1/10W
R240	401 037 5400	MT-GLAZE 1K JA 1/10W
R241	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R242	401 039 0304	MT-GLAZE 820 JA 1/10W
R243	401 037 5400	MT-GLAZE 1K JA 1/10W
R244	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R245	401 039 0304	MT-GLAZE 820 JA 1/10W
R246	401 038 0701	MT-GLAZE 2. 2K JA 1/10W
R247	401 037 7909	MT-GLAZE 1. 5K JA 1/10W
R248	401 038 0701	MT-GLAZE 2. 2K JA 1/10W
R249	401 019 6302	CARBON 4. 7 JB 1/4W
R251	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R252	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R253	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R254	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R255	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R256	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R257	401 037 5400	MT-GLAZE 1K JA 1/10W
R258	401 037 5400	MT-GLAZE 1K JA 1/10W
R259	401 037 5400	MT-GLAZE 1K JA 1/10W
R260	401 037 5400	MT-GLAZE 1K JA 1/10W
R261	401 037 5400	MT-GLAZE 1K JA 1/10W
R262	401 037 5400	MT-GLAZE 1K JA 1/10W
R263	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R264	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R265	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R266	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R267	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R268	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R269	401 037 5400	MT-GLAZE 1K JA 1/10W
R270	401 037 5400	MT-GLAZE 1K JA 1/10W
R271	401 037 5400	MT-GLAZE 1K JA 1/10W
R272	401 037 5400	MT-GLAZE 1K JA 1/10W
R273	401 037 5400	MT-GLAZE 1K JA 1/10W
R274	401 037 5400	MT-GLAZE 1K JA 1/10W
R275	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R276	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R277	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R278	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R279	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R280	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R281	401 037 5400	MT-GLAZE 1K JA 1/10W
R282	401 037 5400	MT-GLAZE 1K JA 1/10W
R283	401 037 5400	MT-GLAZE 1K JA 1/10W
R284	401 037 5400	MT-GLAZE 1K JA 1/10W
R285	401 037 5400	MT-GLAZE 1K JA 1/10W
R286	401 037 5400	MT-GLAZE 1K JA 1/10W
R287	401 037 8005	MT-GLAZE 15K JA 1/10W
R288	401 037 8005	MT-GLAZE 15K JA 1/10W
R289	401 039 0403	MT-GLAZE 8. 2K JA 1/10W
R290	401 037 8005	MT-GLAZE 15K JA 1/10W
R291	401 037 7909	MT-GLAZE 1. 5K JA 1/10W
R292	401 037 8005	MT-GLAZE 15K JA 1/10W
R293	401 037 8005	MT-GLAZE 15K JA 1/10W
R294	401 039 0403	MT-GLAZE 8. 2K JA 1/10W
R295	401 037 8005	MT-GLAZE 15K JA 1/10W
R296	401 037 7909	MT-GLAZE 1. 5K JA 1/10W
R351	401 038 7205	MT-GLAZE 5. 1K JA 1/10W
R352	401 037 5400	MT-GLAZE 1K JA 1/10W
R353	401 037 5202	MT-GLAZE 100 JA 1/10W
R354	401 037 8104	MT-GLAZE 150K JA 1/10W
R355	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R356	401 049 7508	MT-FILM 5. 6K FA 1/4W
R357	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R358	401 037 5608	MT-GLAZE 10K JA 1/10W
R359	401 038 7809	MT-GLAZE 56K JA 1/10W
R362	401 037 5400	MT-GLAZE 1K JA 1/10W
R363	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R364	401 037 8005	MT-GLAZE 15K JA 1/10W
R365	401 037 5400	MT-GLAZE 1K JA 1/10W
R366	401 037 5400	MT-GLAZE 1K JA 1/10W
R367	401 037 7909	MT-GLAZE 1. 5K JA 1/10W
R368	401 038 9209	MT-GLAZE 6. 8K JA 1/10W
R369	401 039 0502	MT-GLAZE 82K JA 1/10W
R370	401 038 0800	MT-GLAZE 22K JA 1/10W
R371	401 038 7700	MT-GLAZE 5. 6K JA 1/10W
R372	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R373	401 038 3504	MT-GLAZE 330 JA 1/10W
R374	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R381	401 038 7700	MT-GLAZE 5. 6K JA 1/10W
R382	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R383	401 038 3504	MT-GLAZE 330 JA 1/10W
R384	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R390	401 038 2200	MT-GLAZE 27K JA 1/10W
R391	401 038 7700	MT-GLAZE 5. 6K JA 1/10W
R392	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R393	401 038 3504	MT-GLAZE 330 JA 1/10W
R394	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R397	401 038 2200	MT-GLAZE 27K JA 1/10W
R6201	401 152 5903	MT-GLAZE 18K FA 1/10W
R6202	401 152 5903	MT-GLAZE 18K FA 1/10W

Ref. No.	Part No.	Description
R6203	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6204	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6206	401 038 7601	MT-GLAZE 560 JA 1/10W
R6208	401 038 7601	MT-GLAZE 560 JA 1/10W
R6209	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6210	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6211	401 152 5903	MT-GLAZE 18K FA 1/10W
R6212	401 152 5903	MT-GLAZE 18K FA 1/10W
R6213	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6214	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6216	401 038 7601	MT-GLAZE 560 JA 1/10W
R6218	401 038 7601	MT-GLAZE 560 JA 1/10W
R6219	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6220	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6221	401 152 5903	MT-GLAZE 18K FA 1/10W
R6222	401 152 5903	MT-GLAZE 18K FA 1/10W
R6223	401 038 9209	MT-GLAZE 6. 8K JA 1/10W
R6224	401 037 5608	MT-GLAZE 10K JA 1/10W
R6225	401 092 1904	MT-GLAZE 2. 7K FA 1/10W
R6226	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6227	401 038 7601	MT-GLAZE 560 JA 1/10W
R6229	401 147 8803	MT-GLAZE 680 FA 1/10W
R6231	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6232	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6233	401 152 5903	MT-GLAZE 18K FA 1/10W
R6234	401 152 5903	MT-GLAZE 18K FA 1/10W
R6235	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6236	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6238	401 038 7601	MT-GLAZE 560 JA 1/10W
R6240	401 038 7601	MT-GLAZE 560 JA 1/10W
R6241	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6242	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6243	401 152 5903	MT-GLAZE 18K FA 1/10W
R6244	401 152 5903	MT-GLAZE 18K FA 1/10W
R6245	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6246	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6248	401 038 7601	MT-GLAZE 560 JA 1/10W
R6250	401 038 7601	MT-GLAZE 560 JA 1/10W
R6251	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6252	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6253	401 152 5903	MT-GLAZE 18K FA 1/10W
R6254	401 152 5903	MT-GLAZE 18K FA 1/10W
R6257	401 092 1904	MT-GLAZE 2. 7K FA 1/10W
R6258	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6259	401 038 7601	MT-GLAZE 560 JA 1/10W
R6261	401 147 8803	MT-GLAZE 680 FA 1/10W
R6263	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6264	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6265	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6266	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6267	401 038 7601	MT-GLAZE 560 JA 1/10W
R6269	401 038 7601	MT-GLAZE 560 JA 1/10W
R6271	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6272	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6273	401 152 5903	MT-GLAZE 18K FA 1/10W
R6274	401 152 5903	MT-GLAZE 18K FA 1/10W
R6275	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6276	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R6277	401 038 7601	MT-GLAZE 560 JA 1/10W
R6279	401 038 7601	MT-GLAZE 560 JA 1/10W
R6281	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6282	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6283	401 152 5903	MT-GLAZE 18K FA 1/10W
R6284	401 152 5903	MT-GLAZE 18K FA 1/10W
R6285	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6286	401 038 5508	MT-GLAZE 4. 7 JA 1/10W
R6288	401 147 8803	MT-GLAZE 680 FA 1/10W
R6290	401 038 7601	MT-GLAZE 560 JA 1/10W
R6291	401 092 1904	MT-GLAZE 2. 7K FA 1/10W
R6292	401 092 1904	MT-GLAZE 2. 7K FA 1/10W
R6295	401 152 5903	MT-GLAZE 18K FA 1/10W
R6296	401 152 5903	MT-GLAZE 18K FA 1/10W
R6297	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R6299	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R6302	401 037 5400	MT-GLAZE 1K JA 1/10W
R6303	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6307	401 037 5400	MT-GLAZE 1K JA 1/10W
R6308	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6312	401 037 5400	MT-GLAZE 1K JA 1/10W
R6313	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6317	401 037 5400	MT-GLAZE 1K JA 1/10W
R6318	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6322	401 037 5400	MT-GLAZE 1K JA 1/10W
R6323	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6327	401 037 5400	MT-GLAZE 1K JA 1/10W
R6328	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6332	401 037 5400	MT-GLAZE 1K JA 1/10W
R6333	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6337	401 037 5400	MT-GLAZE 1K JA 1/10W
R6338	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6342	401 037 5400	MT-GLAZE 1K JA 1/10W
R6343	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6347	401 037 5400	MT-GLAZE 1K JA 1/10W
R6348	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6352	401 037 5400	MT-GLAZE 1K JA 1/10W
R6353	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6357	401 037 5400	MT-GLAZE 1K JA 1/10W
R6358	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6362	401 037 5400	MT-GLAZE 1K JA 1/10W
R6363	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6367	401 037 5400	MT-GLAZE 1K JA 1/10W
R6368	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6372	401 037 5400	MT-GLAZE 1K JA 1/10W
R6373	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6377	401 037 5400	MT-GLAZE 1K JA 1/10W
R6378	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6382	401 037 5400	MT-GLAZE 1K JA 1/10W
R6383	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R6387	401 037 5400	MT-GLAZE 1K JA 1/10W
R6388	401 092 3205	MT-GLAZE 4. 7K FA 1/10W
R7201	401 037 5707	MT-GLAZE 100K JA 1/10W
R7202	401 037 5707	MT-GLAZE 100K JA 1/10W
R7203	401 037 5707	MT-GLAZE 100K JA 1/10W
R7204	401 037 5707	MT-GLAZE 100K JA 1/10W
R7205	401 037 5707	MT-GLAZE 100K JA 1/10W
R7206	401 037 5707	MT-GLAZE 100K JA 1/10W
R7207	401 037 5707	MT-GLAZE 100K JA 1/10W
R7208	401 037 5707	MT-GLAZE 100K JA 1/10W
R7209	401 037 5707	MT-GLAZE 100K JA 1/10W
R7210	401 037 5707	MT-GLAZE 100K JA 1/10W
R7211	401 037 5707	MT-GLAZE 100K JA 1/10W
R7212	401 037 5707	MT-GLAZE 100K JA 1/10W
R7213	401 037 5707	MT-GLAZE 100K JA 1/10W
R7214	401 037 5707	MT-GLAZE 100K JA 1/10W
R7215	401 037 5707	MT-GLAZE 100K JA 1/10W
R7216	401 037 5707	MT-GLAZE 100K JA 1/10W
R7217	401 037 5707	MT-GLAZE 100K JA 1/10W
R7218	401 037 5707	MT-GLAZE 100K JA 1/10W
R7221	401 066 5204	OXIDE-MT 22 JA 2W
R7222	401 061 1706	OXIDE-MT 33 JA 1W
R7223	401 087 6204	CARBON 0. 000 ZA 1/6W
R7224	401 026 8702	CARBON 4. 3K JA 1/6W
R7226	401 026 6609	CARBON 390 JA 1/6W
R7227	401 026 8702	CARBON 4. 3K JA 1/6W
R7228	401 087 6204	CARBON 0. 000 ZA 1/6W
R7229	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R7231	645 008 1514	INDUCTOR, 5. 6U K
R7232	401 068 2607	OXIDE-MT 47 JA 2W

Ref. No.	Part No.	Description
R7233	401 063 5306	OXIDE-MT 82 JA 1W
R7241	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R7242	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R7244	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R7246	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R7249	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R7251	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7253	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7254	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7256	401 037 5608	MT-GLAZE 10K JA 1/10W
R7257	401 037 5608	MT-GLAZE 10K JA 1/10W
R7258	401 037 5202	MT-GLAZE 100 JA 1/10W
R7259	401 037 5202	MT-GLAZE 100 JA 1/10W
R7264	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7266	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7267	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7268	401 037 5608	MT-GLAZE 10K JA 1/10W
R7269	401 037 5608	MT-GLAZE 10K JA 1/10W
R7271	401 037 5202	MT-GLAZE 100 JA 1/10W
R7272	401 037 5202	MT-GLAZE 100 JA 1/10W
R7277	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7279	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7281	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7282	401 037 5608	MT-GLAZE 10K JA 1/10W
R7283	401 037 5608	MT-GLAZE 10K JA 1/10W
R7284	401 037 5202	MT-GLAZE 100 JA 1/10W
R7286	401 037 5202	MT-GLAZE 100 JA 1/10W
R7287	401 037 5608	MT-GLAZE 10K JA 1/10W
R7288	401 037 5608	MT-GLAZE 10K JA 1/10W
R7289	401 037 5608	MT-GLAZE 10K JA 1/10W
R7291	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7292	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7293	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7298	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7299	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7301	401 037 5608	MT-GLAZE 10K JA 1/10W
R7302	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R7303	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R7304	401 037 5707	MT-GLAZE 100K JA 1/10W
R7305	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R7306	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7308	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7311	401 037 5608	MT-GLAZE 10K JA 1/10W
R7312	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R7314	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R7315	401 037 5400	MT-GLAZE 1K JA 1/10W
R7316	401 038 2002	MT-GLAZE 270 JA 1/10W
R7319	401 038 7809	MT-GLAZE 56K JA 1/10W
R7321	401 038 6505	MT-GLAZE 47K JA 1/10W
R7322	401 038 2309	MT-GLAZE 270K JA 1/10W
R7323	401 038 6505	MT-GLAZE 47K JA 1/10W
R7327	401 038 6307	MT-GLAZE 470 JA 1/10W
R7332	401 038 2309	MT-GLAZE 270K JA 1/10W
R7336	401 038 2309	MT-GLAZE 270K JA 1/10W
R7339	401 038 2309	MT-GLAZE 270K JA 1/10W
R7343	401 038 2309	MT-GLAZE 270K JA 1/10W
R7347	401 038 2309	MT-GLAZE 270K JA 1/10W
R7348	401 180 3407	MT-GLAZE 270K FA 1/10W
R7349	401 038 1401	MT-GLAZE 24K JA 1/10W
R7351	401 038 2309	MT-GLAZE 270K JA 1/10W
R7354	401 038 2309	MT-GLAZE 270K JA 1/10W
R7358	401 038 2309	MT-GLAZE 270K JA 1/10W
R7362	401 038 2309	MT-GLAZE 270K JA 1/10W
R7366	401 038 2309	MT-GLAZE 270K JA 1/10W
R7367	401 038 2309	MT-GLAZE 270K JA 1/10W
R7369	401 038 2309	MT-GLAZE 270K JA 1/10W
R7373	401 038 2309	MT-GLAZE 270K JA 1/10W
R7377	401 038 2309	MT-GLAZE 270K JA 1/10W
R7381	401 038 2309	MT-GLAZE 270K JA 1/10W

Ref. No.	Part No.	Description
R7384	401 038 2309	MT-GLAZE 270K JA 1/10W
R7386	401 038 2309	MT-GLAZE 270K JA 1/10W
R8201	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8202	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8203	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8204	401 038 6307	MT-GLAZE 470 JA 1/10W
R8205	401 038 6307	MT-GLAZE 470 JA 1/10W
R8206	401 038 6307	MT-GLAZE 470 JA 1/10W
R8207	401 037 5707	MT-GLAZE 100K JA 1/10W
R8208	401 037 5707	MT-GLAZE 100K JA 1/10W
R8209	401 037 5707	MT-GLAZE 100K JA 1/10W
R8211	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8212	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8213	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8214	401 038 6307	MT-GLAZE 470 JA 1/10W
R8215	401 038 6307	MT-GLAZE 470 JA 1/10W
R8216	401 038 6307	MT-GLAZE 470 JA 1/10W
R8217	401 037 5707	MT-GLAZE 100K JA 1/10W
R8218	401 037 5707	MT-GLAZE 100K JA 1/10W
R8219	401 037 5707	MT-GLAZE 100K JA 1/10W
R8222	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8225	401 038 6307	MT-GLAZE 470 JA 1/10W
R8227	401 037 5707	MT-GLAZE 100K JA 1/10W
R8228	401 037 5707	MT-GLAZE 100K JA 1/10W
R8229	401 037 5707	MT-GLAZE 100K JA 1/10W
R8230	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8232	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8234	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8236	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8238	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8239	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8243	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
VARIABLE RESISTOR		
VR203	645 006 2759	VR, SEMI, 30K S
VR204	645 006 2759	VR, SEMI, 30K S
VR205	645 006 2759	VR, SEMI, 30K S
VR207	645 006 2759	VR, SEMI, 30K S
VR208	645 006 2759	VR, SEMI, 30K S
VR209	645 006 2780	VR, SEMI, 50K S
VR241	610 234 7265	VR B-1K
VR242	645 013 5743	VR, SEMI, 1K S
VR243	645 013 5743	VR, SEMI, 1K S
VR6201	645 017 1321	VR, SEMI, 200 S
VR6202	645 017 1321	VR, SEMI, 200 S
VR6203	645 017 1321	VR, SEMI, 200 S
VR6204	645 017 1321	VR, SEMI, 200 S
VR6205	645 017 1321	VR, SEMI, 200 S
VR6206	645 017 1321	VR, SEMI, 200 S
VR6207	645 017 1321	VR, SEMI, 200 S
VR6208	645 017 1321	VR, SEMI, 200 S
VR6209	645 017 1321	VR, SEMI, 200 S
VR6210	645 017 1321	VR, SEMI, 200 S
VR6211	645 017 1321	VR, SEMI, 200 S
VR6212	645 017 1321	VR, SEMI, 200 S
VR6213	645 017 1321	VR, SEMI, 200 S
VR6214	645 017 1321	VR, SEMI, 200 S
VR6215	645 017 1321	VR, SEMI, 200 S
VR6216	645 001 9371	VR, SEMI, 10K S
VR6219	645 012 6147	VR, SEMI, 50K S
VR6220	645 012 6147	VR, SEMI, 50K S
VR6221	645 012 6147	VR, SEMI, 50K S
VR6222	645 012 6147	VR, SEMI, 50K S
VR6223	645 012 6147	VR, SEMI, 50K S
VR6224	645 025 0743	VR, SEMI, 100K S
VR6225	645 025 0743	VR, SEMI, 100K S
VR6226	645 025 0743	VR, SEMI, 100K S
VR6227	645 025 0743	VR, SEMI, 100K S
VR6228	645 025 0743	VR, SEMI, 100K S

Ref. No.	Part No.	Description
VR6229	645 012 6147	VR, SEMI, 50K S
VR6230	645 012 6147	VR, SEMI, 50K S
VR6231	645 012 6147	VR, SEMI, 50K S
VR6232	645 012 6147	VR, SEMI, 50K S
VR6233	645 012 6147	VR, SEMI, 50K S
VR6234	645 012 6147	VR, SEMI, 50K S
VR6235	645 012 6147	VR, SEMI, 50K S
VR6401	645 002 7703	VR, SEMI, 10K S
COIL		
L6451	401 087 6204	CARBON 0.000 ZA 1/6W
L6452	401 087 6204	CARBON 0.000 ZA 1/6W
L6453	401 087 6204	CARBON 0.000 ZA 1/6W
L7222	645 013 4999	INDUCTOR, 4.7U J
L7223	645 013 4999	INDUCTOR, 4.7U J
DIODE		
D201	407 164 5207	ZENER DIODE UZ-8.2BCB
D316	407 004 8009	DIODE DSB015-TA
D366	407 004 8009	DIODE DSB015-TA
D7221	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D7222	407 004 8009	DIODE DSB015-TA
D7223	407 004 8009	DIODE DSB015-TA
D7224	407 004 8009	DIODE DSB015-TA
D7303	407 004 8009	DIODE DSB015-TA
D7306	407 004 8009	DIODE DSB015-TA
D7307	407 004 8009	DIODE DSB015-TA
MISCELLANEOUS		
TE20	645 000 0409	TERMINAL
TE22R	645 000 0409	TERMINAL
TE61	645 000 0409	TERMINAL
TP20B	645 000 0409	TERMINAL
TP20G	645 000 0409	TERMINAL
TP20R	645 000 0409	TERMINAL
TP21B	645 000 0409	TERMINAL
TP21G	645 000 0409	TERMINAL
TP21R	645 000 0409	TERMINAL
TP22B1	645 000 0409	TERMINAL
TP22B2	645 000 0409	TERMINAL
TP22B3	645 000 0409	TERMINAL
TP22B4	645 000 0409	TERMINAL
TP22B5	645 000 0409	TERMINAL
TP22B6	645 000 0409	TERMINAL
TP22G1	645 000 0409	TERMINAL
TP22G2	645 000 0409	TERMINAL
TP22G3	645 000 0409	TERMINAL
TP22G4	645 000 0409	TERMINAL
TP22G5	645 000 0409	TERMINAL
TP22G6	645 000 0409	TERMINAL
TP22R1	645 000 0409	TERMINAL
TP22R2	645 000 0409	TERMINAL
TP22R3	645 000 0409	TERMINAL
TP22R4	645 000 0409	TERMINAL
TP22R5	645 000 0409	TERMINAL
TP22R6	645 000 0409	TERMINAL
TP52G	645 000 0409	TERMINAL
TP61	645 000 0409	TERMINAL
TP62	645 000 0409	TERMINAL
TP63	645 000 0409	TERMINAL
TP7302	645 000 0409	TERMINAL
K2B	645 004 2911	PLUG, 5P
K2F	645 004 2928	PLUG, 6P
K2G	645 004 2911	PLUG, 5P
K2GA	645 004 2928	PLUG, 6P
K2H	645 004 2911	PLUG, 5P
K2J	645 004 2911	PLUG, 5P
K2K	645 004 2904	PLUG, 4P
K2P	645 004 2911	PLUG, 5P
K21A	645 004 8609	SOCKET, FPC 30P
K21B	645 014 3083	SOCKET, 20P

610 267 7157 ASSY,PWB,PRE AMP M4FA 1AA0B10C141AD

Ref. No.	Part No.	Description
RESISTOR		
R1201	401 037 5202	MT-GLAZE 100 JA 1/10W
DIODE		
D1201	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1202	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
MISCELLANEOUS		
AU1201	645 007 1546	UNIT, REMOCON RECEIVER
	610 224 5806	RC PREAMP 409-1L
K1201	645 004 2898	PLUG, 3P

610 268 8733 ASSY,PWB,AV P4FA 1AA0B10C141BC

Ref. No.	Part No.	Description
TRANSISTOR		
Q1101	405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB
INTEGRATED CIRCUIT		
IC1101	409 211 7301	IC MC14053BFL
CAPACITOR		
C1101	403 069 9500	CERAMIC 0.01U Z 50V
C1102	403 163 8409	ELECT 47U M 16V
C1111	403 215 1709	CERAMIC 2200P J 50V
C1131	403 069 9500	CERAMIC 0.01U Z 50V
C1132	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R1101	401 037 7800	MT-GLAZE 150 JA 1/10W
R1102	401 037 7800	MT-GLAZE 150 JA 1/10W
R1103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1106	401 038 6604	MT-GLAZE 470K JA 1/10W
R1107	401 037 5400	MT-GLAZE 1K JA 1/10W
R1108	401 038 6604	MT-GLAZE 470K JA 1/10W
R1109	401 037 5400	MT-GLAZE 1K JA 1/10W
R1111	401 037 7800	MT-GLAZE 150 JA 1/10W
R1112	401 037 7800	MT-GLAZE 150 JA 1/10W
R1113	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1116	401 038 6604	MT-GLAZE 470K JA 1/10W
R1117	401 038 6604	MT-GLAZE 470K JA 1/10W
R1118	401 037 5608	MT-GLAZE 10K JA 1/10W
R1121	401 037 5608	MT-GLAZE 10K JA 1/10W
R1126	401 037 5400	MT-GLAZE 1K JA 1/10W
R1127	401 037 5400	MT-GLAZE 1K JA 1/10W
R1132	401 037 5400	MT-GLAZE 1K JA 1/10W
R1141	401 037 7800	MT-GLAZE 150 JA 1/10W
R1142	401 037 7800	MT-GLAZE 150 JA 1/10W
R1143	401 037 7800	MT-GLAZE 150 JA 1/10W
R1144	401 037 7800	MT-GLAZE 150 JA 1/10W
R1151	401 038 6604	MT-GLAZE 470K JA 1/10W
R1152	401 038 9506	MT-GLAZE 75 JA 1/10W
R1161	401 037 5202	MT-GLAZE 100 JA 1/10W
R1162	401 038 3801	MT-GLAZE 330K JA 1/10W
R1163	401 037 5400	MT-GLAZE 1K JA 1/10W
R1164	401 037 5608	MT-GLAZE 10K JA 1/10W

Ref. No.	Part No.	Description
COIL		
L1111	645 026 1121	INDUCTOR, 10U K
L1112	645 026 1121	INDUCTOR, 10U K
L1113	645 026 1121	INDUCTOR, 10U K
DIODE		
D1101	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1102	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1106	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1107	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1111	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1112	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1116	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1117	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1121	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1122	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1126	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1127	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1131	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1132	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1133	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1134	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1136	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1146	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1147	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1148	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1149	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1151	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1152	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1153	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1154	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1156	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1157	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1158	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D1159	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1161	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1162	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA

Ref. No.	Part No.	Description
MISCELLANEOUS		
K11A	645 005 0244	TERMINAL, BOARD
K11B	645 000 3356	TERMINAL, BOARD
K11C	645 025 0170	JACK, RCA-3
K11E	645 011 4816	JACK, PHONE D3.6
K11F	645 009 8079	SOCKET, DC
K11G	645 000 2571	JACK, PHONE D8.0
K11J	645 000 2663	PLUG, PWB-PWB 19P
K11K	645 000 2670	PLUG, PWB-PWB 17P
K11L	645 005 8073	PLUG, PWB-PWB 9P
SW1101	610 011 1790	SWITCH, PUSH
WA-4	610 262 4298	STAPLE-S5ME
X1101	645 025 0613	FILTER, EMI 45PF
X1102	645 025 0620	FILTER, EMI 85PF
X1104	645 025 0620	FILTER, EMI 85PF
X1106	645 025 0613	FILTER, EMI 45PF
X1107	645 025 0620	FILTER, EMI 85PF
X1108	645 025 0620	FILTER, EMI 85PF
X1111	645 025 0620	FILTER, EMI 85PF
X1114	645 025 0613	FILTER, EMI 45PF
X1116	645 025 0613	FILTER, EMI 45PF
X1121	645 025 0613	FILTER, EMI 45PF
X1122	645 025 0620	FILTER, EMI 85PF
X1123	645 025 0620	FILTER, EMI 85PF
X1126	645 006 3350	FILTER, EMI 2200PF
X1127	645 006 3350	FILTER, EMI 2200PF
X1128	645 006 3350	FILTER, EMI 2200PF
X1131	645 025 0613	FILTER, EMI 45PF
X1132	645 025 0613	FILTER, EMI 45PF
X1133	645 025 0613	FILTER, EMI 45PF

610 267 7386 ASSY,PWB,MAIN P4FA
1AA0B10C142C0

Ref. No.	Part No.	Description
TRANSISTOR		
Q004	405 015 8704	TR 2SC2812-L6-TB
Q011	405 015 8704	TR 2SC2812-L6-TB
Q012	405 015 8704	TR 2SC2812-L6-TB
Q013	405 002 6706	TR 2SA1179-M6-TB
Q014	405 015 8704	TR 2SC2812-L6-TB
Q015	405 015 8704	TR 2SC2812-L6-TB
Q016	405 015 8704	TR 2SC2812-L6-TB
Q017	405 002 6706	TR 2SA1179-M6-TB
Q018	405 015 8704	TR 2SC2812-L6-TB
Q1001	405 015 8704	TR 2SC2812-L6-TB
Q1002	405 015 8704	TR 2SC2812-L6-TB
Q101	405 015 8704	TR 2SC2812-L6-TB
Q102	405 015 8704	TR 2SC2812-L6-TB
Q103	405 015 8704	TR 2SC2812-L6-TB
Q106	405 015 8704	TR 2SC2812-L6-TB
Q107	405 015 8704	TR 2SC2812-L6-TB
Q108	405 015 8704	TR 2SC2812-L6-TB
Q109	405 015 8704	TR 2SC2812-L6-TB
Q111	405 015 8704	TR 2SC2812-L6-TB
Q112	405 015 8704	TR 2SC2812-L6-TB
Q301	405 015 8704	TR 2SC2812-L6-TB
Q302	405 002 6706	TR 2SA1179-M6-TB
Q303	405 015 8704	TR 2SC2812-L6-TB
Q308	405 015 8704	TR 2SC2812-L6-TB
Q309	405 002 6706	TR 2SA1179-M6-TB
Q310	405 002 6706	TR 2SA1179-M6-TB
Q311	405 002 6706	TR 2SA1179-M6-TB
Q312	405 002 6706	TR 2SA1179-M6-TB
Q313	405 002 6706	TR 2SA1179-M6-TB
Q314	405 015 8704	TR 2SC2812-L6-TB
Q6603	405 015 8704	TR 2SC2812-L6-TB
Q6604	405 015 8704	TR 2SC2812-L6-TB
Q6851	405 002 6706	TR 2SA1179-M6-TB
Q6852	405 015 8704	TR 2SC2812-L6-TB

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
Q6853	405 015 8704	TR 2SC2812-L6-TB	C121	403 109 6308	ELECT 1U M 50V
Q6854	405 015 8704	TR 2SC2812-L6-TB	C122	403 109 6407	ELECT 10U M 50V
Q801	405 015 8704	TR 2SC2812-L6-TB	C123	403 109 6407	ELECT 10U M 50V
Q806	405 015 8704	TR 2SC2812-L6-TB	C124	403 067 7706	MT-COMPO 0.047U J 50V
Q807	405 015 8704	TR 2SC2812-L6-TB	C126	403 218 8101	ELECT 1000U M 25V
			C127	403 111 8604	ELECT 470U M 25V
INTEGRATED CIRCUIT			C128	403 107 9905	ELECT 10U M 16V
IC004	409 111 9306	IC LA7213	C129	403 107 9905	ELECT 10U M 16V
IC005	409 202 3008	IC MC74HC14AF	C2020	403 121 2609	ELECT 220U M 16V
IC053	409 202 3008	IC MC74HC14AF	C301	403 067 5603	MT-COMPO 0.1U J 50V
IC1001	409 221 1306	IC HCF0222	C302	403 086 2300	NP-ELECT 1U M 50V
IC1002	409 146 7209	IC LA7222	C303	403 111 0905	NP-ELECT 2.2U M 50V
IC101	409 222 5709	IC MC14052BF	C304	403 067 7805	MT-COMPO 0.47U J 50V
	409 051 2702	IC TC4052BF-TP1	C306	403 192 5905	CERAMIC 0.1U K 25V
IC102	409 073 1509	IC AN5265	C307	403 060 6300	POLYESTER 3300P K 50V
IC301	409 346 1106	IC TDA9160A/N3	C308	403 067 5603	MT-COMPO 0.1U J 50V
IC303	409 291 0605	IC TDA4661/V2	C309	403 014 3607	CERAMIC 18P J 50V
IC6602	409 343 5107	IC PQ15RF15	C313	403 012 7003	CERAMIC 15P J 50V
IC6603	409 365 2900	IC BA178M12T	C314	403 060 6300	POLYESTER 3300P K 50V
IC6606	409 050 1706	IC TA79L005P	C315	403 192 5905	CERAMIC 0.1U K 25V
IC6607	409 241 5407	IC BA178M05T	C316	403 067 7805	MT-COMPO 0.47U J 50V
IC6608	409 365 2801	IC BA178M08T	C317	403 121 2609	ELECT 220U M 16V
IC801	410 295 4209	IC M37204M8-B28SP	C318	403 121 2609	ELECT 220U M 16V
IC804	409 199 4705	IC MC14066BFL	C319	403 069 9500	CERAMIC 0.01U Z 50V
	409 051 3402	IC TC4066BF-TP1	C321	403 192 5905	CERAMIC 0.1U K 25V
IC806	409 243 4200	IC MN1380-R	C322	403 192 5905	CERAMIC 0.1U K 25V
IC807	409 383 6805	IC 24LC08B/P	C327	403 192 5905	CERAMIC 0.1U K 25V
	409 296 9207	IC X24C08P	C328	403 192 5905	CERAMIC 0.1U K 25V
			C329	403 125 5606	ELECT 100U M 16V
CAPACITOR			C331	403 069 9500	CERAMIC 0.01U Z 50V
C001	403 069 9500	CERAMIC 0.01U Z 50V	C332	403 069 9500	CERAMIC 0.01U Z 50V
C002	403 135 5009	ELECT 47U M 10V	C333	403 125 5606	ELECT 100U M 16V
C021	403 125 5606	ELECT 100U M 16V	C341	403 033 4500	CERAMIC 82P J 50V
C022	403 056 7304	POLYESTER 1000P J 50V	C342	403 011 4904	CERAMIC 120P J 50V
C023	403 086 0108	NP-ELECT 4.7U M 25V	C343	403 033 4500	CERAMIC 82P J 50V
C025	403 134 9602	ELECT 47U M 16V	C344	403 011 4904	CERAMIC 120P J 50V
C028	403 056 7304	POLYESTER 1000P J 50V	C346	403 069 9500	CERAMIC 0.01U Z 50V
C029	403 061 1601	POLYESTER 3900P J 50V	C347	403 069 9500	CERAMIC 0.01U Z 50V
C031	403 067 7805	MT-COMPO 0.47U J 50V	C348	403 069 9500	CERAMIC 0.01U Z 50V
C033	403 069 9500	CERAMIC 0.01U Z 50V	C6602	403 121 2302	ELECT 470U M 10V
C076	403 011 4904	CERAMIC 120P J 50V	C6603	403 069 9500	CERAMIC 0.01U Z 50V
C078	403 069 9500	CERAMIC 0.01U Z 50V	C6604	403 107 9509	ELECT 100U M 10V
C1001	403 069 9500	CERAMIC 0.01U Z 50V	C6606	403 069 9500	CERAMIC 0.01U Z 50V
C1002	403 125 5606	ELECT 100U M 16V	C6607	403 107 9509	ELECT 100U M 10V
C1003	403 026 3008	CERAMIC 47P J 50V	C6608	403 069 9500	CERAMIC 0.01U Z 50V
C1004	403 239 5301	CERAMIC 160P J 50V	C6609	403 107 9509	ELECT 100U M 10V
C1006	403 069 9500	CERAMIC 0.01U Z 50V	C6611	403 069 9500	CERAMIC 0.01U Z 50V
C1007	403 069 9500	CERAMIC 0.01U Z 50V	C6616	403 069 9500	CERAMIC 0.01U Z 50V
C101	403 121 3408	ELECT 2.2U M 50V	C6617	403 109 5707	ELECT 220U M 25V
C1010	403 121 2609	ELECT 220U M 16V	C6618	403 069 9500	CERAMIC 0.01U Z 50V
C1011	403 069 9500	CERAMIC 0.01U Z 50V	C6619	403 109 5608	ELECT 100U M 25V
C1012	403 069 9500	CERAMIC 0.01U Z 50V	C6620	403 069 9500	CERAMIC 0.01U Z 50V
C1013	403 134 9602	ELECT 47U M 16V	C6621	403 069 9500	CERAMIC 0.01U Z 50V
C1014	403 155 9209	NP-ELECT 22U M 16V	C6622	403 109 5608	ELECT 100U M 25V
C1017	403 069 9500	CERAMIC 0.01U Z 50V	C6623	403 069 9500	CERAMIC 0.01U Z 50V
C102	403 121 3408	ELECT 2.2U M 50V	C6631	403 069 9500	CERAMIC 0.01U Z 50V
C103	403 107 9905	ELECT 10U M 16V	C6632	403 134 5802	ELECT 470U M 16V
C104	403 069 9500	CERAMIC 0.01U Z 50V	C6633	403 069 9500	CERAMIC 0.01U Z 50V
C106	403 107 9905	ELECT 10U M 16V	C6642	403 109 5707	ELECT 220U M 25V
C107	403 121 3408	ELECT 2.2U M 50V	C6643	403 069 9500	CERAMIC 0.01U Z 50V
C108	403 121 3408	ELECT 2.2U M 50V	C6645	403 109 6407	ELECT 10U M 50V
C111	403 085 4008	NP-ELECT 10U M 16V	C6646	403 134 9602	ELECT 47U M 16V
C112	403 085 4008	NP-ELECT 10U M 16V	C6647	403 069 9500	CERAMIC 0.01U Z 50V
C1120	403 069 9500	CERAMIC 0.01U Z 50V	C6651	403 069 9500	CERAMIC 0.01U Z 50V
C113	403 069 1702	CERAMIC 1000P K 50V	C6652	403 107 9509	ELECT 100U M 10V
C114	403 085 4008	NP-ELECT 10U M 16V	C6653	403 069 9500	CERAMIC 0.01U Z 50V
C117	403 069 9500	CERAMIC 0.01U Z 50V	C6658	403 107 9509	ELECT 100U M 10V
C118	403 134 5802	ELECT 470U M 16V	C6659	403 069 9500	CERAMIC 0.01U Z 50V
C119	403 109 6308	ELECT 1U M 50V	C6661	403 069 9500	CERAMIC 0.01U Z 50V

Ref. No.	Part No.	Description
C6662	403 069 9500	CERAMIC 0.01U Z 50V
C6663	403 134 9602	ELECT 47U M 16V
C6851	403 070 2606	CERAMIC 0.1U Z 50V
C6852	403 070 2606	CERAMIC 0.1U Z 50V
C801	403 121 3002	ELECT 4.7U M 25V
C802	403 121 3002	ELECT 4.7U M 25V
C803	403 192 5905	CERAMIC 0.1U K 25V
C804	403 192 5905	CERAMIC 0.1U K 25V
C809	403 069 9500	CERAMIC 0.01U Z 50V
C810	403 069 9500	CERAMIC 0.01U Z 50V
C811	403 107 9905	ELECT 10U M 16V
C812	403 069 9500	CERAMIC 0.01U Z 50V
C813	403 192 5905	CERAMIC 0.1U K 25V
C814	403 134 5505	ELECT 10U M 25V
C821	403 121 3408	ELECT 2.2U M 50V
C822	403 069 9500	CERAMIC 0.01U Z 50V
C827	403 009 5708	CERAMIC 100P J 50V
C830	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R030	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R031	401 037 5608	MT-GLAZE 10K JA 1/10W
R032	401 037 5608	MT-GLAZE 10K JA 1/10W
R033	401 038 3504	MT-GLAZE 330 JA 1/10W
R034	401 038 0602	MT-GLAZE 220 JA 1/10W
R035	401 038 2309	MT-GLAZE 270K JA 1/10W
R036	401 037 5608	MT-GLAZE 10K JA 1/10W
R037	401 038 6307	MT-GLAZE 470 JA 1/10W
R038	401 037 8005	MT-GLAZE 15K JA 1/10W
R039	401 037 5400	MT-GLAZE 1K JA 1/10W
R040	401 038 2309	MT-GLAZE 270K JA 1/10W
R041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R042	401 038 6307	MT-GLAZE 470 JA 1/10W
R043	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R044	401 038 6307	MT-GLAZE 470 JA 1/10W
R045	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R046	401 037 5806	MT-GLAZE 1M JA 1/10W
R047	401 037 5608	MT-GLAZE 10K JA 1/10W
R048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R074	401 038 3504	MT-GLAZE 330 JA 1/10W
R080	401 037 5608	MT-GLAZE 10K JA 1/10W
R081	401 037 5608	MT-GLAZE 10K JA 1/10W
R100	401 037 5400	MT-GLAZE 1K JA 1/10W
R1001	401 037 5608	MT-GLAZE 10K JA 1/10W
R1002	401 037 5608	MT-GLAZE 10K JA 1/10W
R1004	401 038 9001	MT-GLAZE 680 JA 1/10W
R1005	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R1006	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R1007	401 037 5400	MT-GLAZE 1K JA 1/10W
R1008	401 037 5400	MT-GLAZE 1K JA 1/10W
R1009	401 038 7601	MT-GLAZE 560 JA 1/10W
R101	401 037 5707	MT-GLAZE 100K JA 1/10W
R1011	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1017	401 038 2903	MT-GLAZE 300 JA 1/10W
R102	401 037 5707	MT-GLAZE 100K JA 1/10W
R1023	401 038 2903	MT-GLAZE 300 JA 1/10W
R103	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R104	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R106	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R107	401 037 5707	MT-GLAZE 100K JA 1/10W
R108	401 037 5707	MT-GLAZE 100K JA 1/10W
R109	401 037 8005	MT-GLAZE 15K JA 1/10W
R111	401 037 5707	MT-GLAZE 100K JA 1/10W
R112	401 037 5707	MT-GLAZE 100K JA 1/10W
R113	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R114	401 038 7809	MT-GLAZE 56K JA 1/10W
R116	401 037 5707	MT-GLAZE 100K JA 1/10W
R117	401 037 5707	MT-GLAZE 100K JA 1/10W
R118	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R1186	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R119	401 038 7809	MT-GLAZE 56K JA 1/10W
R121	401 037 8005	MT-GLAZE 15K JA 1/10W
R122	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R123	401 039 0304	MT-GLAZE 820 JA 1/10W
R134	401 037 5608	MT-GLAZE 10K JA 1/10W
R136	401 037 5608	MT-GLAZE 10K JA 1/10W
R137	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R138	401 038 9308	MT-GLAZE 68K JA 1/10W
R139	401 038 9001	MT-GLAZE 680 JA 1/10W
R141	401 037 8005	MT-GLAZE 15K JA 1/10W
R142	401 068 1600	OXIDE-MT 4.7 JA 2W
R143	401 068 1600	OXIDE-MT 4.7 JA 2W
R144	401 059 2807	OXIDE-MT 150 JA 1W
R146	401 037 5608	MT-GLAZE 10K JA 1/10W
R151	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R152	401 038 9001	MT-GLAZE 680 JA 1/10W
R153	401 037 5707	MT-GLAZE 100K JA 1/10W
R154	401 037 5202	MT-GLAZE 100 JA 1/10W
R155	401 037 5400	MT-GLAZE 1K JA 1/10W
R161	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R162	401 038 9001	MT-GLAZE 680 JA 1/10W
R163	401 037 5707	MT-GLAZE 100K JA 1/10W
R164	401 037 5202	MT-GLAZE 100 JA 1/10W
R171	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R301	401 037 5400	MT-GLAZE 1K JA 1/10W
R302	401 037 5400	MT-GLAZE 1K JA 1/10W
R303	401 037 5400	MT-GLAZE 1K JA 1/10W
R306	401 037 5400	MT-GLAZE 1K JA 1/10W
R307	401 038 9803	MT-GLAZE 75K JA 1/10W
R311	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R312	401 037 8005	MT-GLAZE 15K JA 1/10W
R316	401 038 6307	MT-GLAZE 470 JA 1/10W
R317	401 038 3504	MT-GLAZE 330 JA 1/10W
R318	401 038 7106	MT-GLAZE 510 JA 1/10W
R319	401 038 7502	MT-GLAZE 56 JA 1/10W
R321	401 038 6307	MT-GLAZE 470 JA 1/10W
R322	401 038 6307	MT-GLAZE 470 JA 1/10W
R323	401 038 6604	MT-GLAZE 470K JA 1/10W
R326	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R327	401 038 5300	MT-GLAZE 39K JA 1/10W
R328	401 094 1902	MT-GLAZE 10M JA 1/10W
R330	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R333	401 038 0602	MT-GLAZE 220 JA 1/10W
R334	401 038 0602	MT-GLAZE 220 JA 1/10W
R335	401 038 0602	MT-GLAZE 220 JA 1/10W
R336	401 038 0602	MT-GLAZE 220 JA 1/10W
R337	401 038 0602	MT-GLAZE 220 JA 1/10W
R338	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R339	401 038 0602	MT-GLAZE 220 JA 1/10W
R340	401 038 0602	MT-GLAZE 220 JA 1/10W
R341	401 038 0602	MT-GLAZE 220 JA 1/10W
R342	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R343	401 038 0602	MT-GLAZE 220 JA 1/10W
R346	401 038 7502	MT-GLAZE 56 JA 1/10W
R347	401 038 0602	MT-GLAZE 220 JA 1/10W
R348	401 038 5003	MT-GLAZE 390 JA 1/10W
R349	401 038 7502	MT-GLAZE 56 JA 1/10W
R351	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6607	401 038 9506	MT-GLAZE 75 JA 1/10W
R6611	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6613	401 038 0800	MT-GLAZE 22K JA 1/10W
R6614	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6616	401 064 6302	OXIDE-MT 10 JA 2W
R6623	401 067 8204	OXIDE-MT 39 JA 2W
R6676	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R6677	401 037 6803	MT-GLAZE 12K JA 1/10W
R6678	401 038 2101	MT-GLAZE 2.7K JA 1/10W

Ref. No.	Part No.	Description
R6679	401 038 5003	MT-GLAZE 390 JA 1/10W
R6681	401 038 0602	MT-GLAZE 220 JA 1/10W
R6682	401 037 5400	MT-GLAZE 1K JA 1/10W
R6683	401 037 5400	MT-GLAZE 1K JA 1/10W
R6684	401 037 5608	MT-GLAZE 10K JA 1/10W
R6685	401 038 0602	MT-GLAZE 220 JA 1/10W
R6686	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6687	401 037 5608	MT-GLAZE 10K JA 1/10W
R6688	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6689	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6691	401 037 5608	MT-GLAZE 10K JA 1/10W
R6692A	610 012 3991	JUNPER LEAD
R6851	401 038 3207	MT-GLAZE 300K JA 1/10W
R6852	401 037 5608	MT-GLAZE 10K JA 1/10W
R6853	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6854	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6856	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6857	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6858	401 037 5400	MT-GLAZE 1K JA 1/10W
R6859	401 037 5608	MT-GLAZE 10K JA 1/10W
R6861	401 038 2309	MT-GLAZE 270K JA 1/10W
R6862	401 038 2200	MT-GLAZE 27K JA 1/10W
R6863	401 037 5608	MT-GLAZE 10K JA 1/10W
R6864	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6866	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6867	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6868	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6869	401 037 5400	MT-GLAZE 1K JA 1/10W
R6871	401 037 5608	MT-GLAZE 10K JA 1/10W
R801	401 037 5202	MT-GLAZE 100 JA 1/10W
R802	401 038 3504	MT-GLAZE 330 JA 1/10W
R803	401 037 5608	MT-GLAZE 10K JA 1/10W
R805	401 038 6307	MT-GLAZE 470 JA 1/10W
R806	401 037 5608	MT-GLAZE 10K JA 1/10W
R809	401 037 5400	MT-GLAZE 1K JA 1/10W
R811	401 037 8005	MT-GLAZE 15K JA 1/10W
R812	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R813	401 037 5400	MT-GLAZE 1K JA 1/10W
R814	401 037 5202	MT-GLAZE 100 JA 1/10W
R818	401 037 5608	MT-GLAZE 10K JA 1/10W
R819	401 037 5608	MT-GLAZE 10K JA 1/10W
R821	401 037 5608	MT-GLAZE 10K JA 1/10W
R822	401 037 5608	MT-GLAZE 10K JA 1/10W
R823	401 037 6803	MT-GLAZE 12K JA 1/10W
R824	401 037 9408	MT-GLAZE 180K JA 1/10W
R826	401 038 2200	MT-GLAZE 27K JA 1/10W
R827	401 037 5608	MT-GLAZE 10K JA 1/10W
R847	401 037 5608	MT-GLAZE 10K JA 1/10W
R849	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R851	401 037 5400	MT-GLAZE 1K JA 1/10W
R852	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R853	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R854	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R856	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R857	401 037 5608	MT-GLAZE 10K JA 1/10W
R858	401 037 5608	MT-GLAZE 10K JA 1/10W
R859	401 037 9309	MT-GLAZE 18K JA 1/10W
R860	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R868	401 037 5202	MT-GLAZE 100 JA 1/10W
R871	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R872	401 038 9308	MT-GLAZE 68K JA 1/10W
R880	401 037 5202	MT-GLAZE 100 JA 1/10W
R883	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R885	401 037 5707	MT-GLAZE 100K JA 1/10W
R891	401 037 5608	MT-GLAZE 10K JA 1/10W
R892	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R893	401 037 5608	MT-GLAZE 10K JA 1/10W
R894	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R896	401 037 5608	MT-GLAZE 10K JA 1/10W

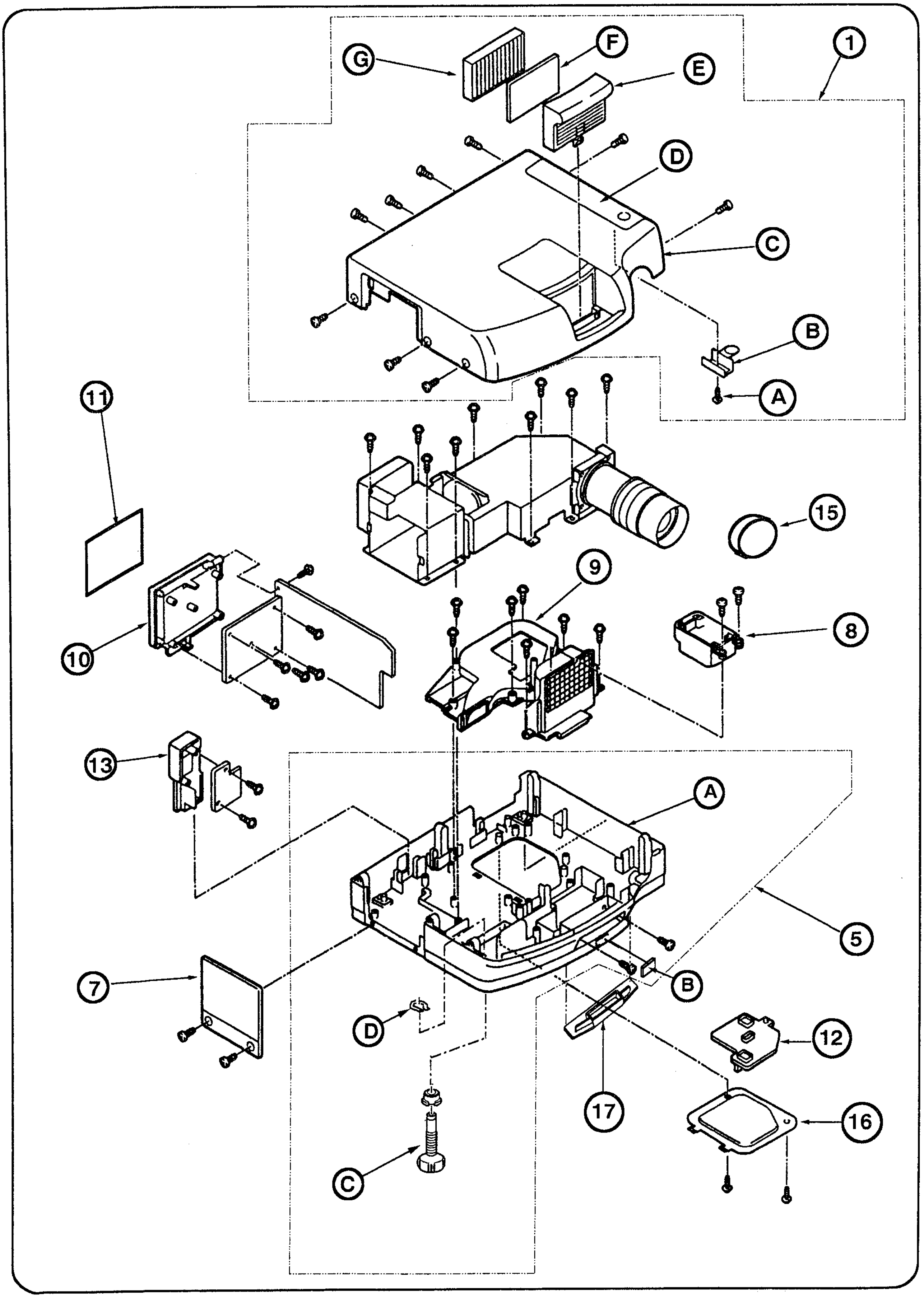
Ref. No.	Part No.	Description
R897	401 038 7601	MT-GLAZE 560 JA 1/10W
R898	401 037 5400	MT-GLAZE 1K JA 1/10W
R899	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
COIL		
L026	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L1001	645 003 6910	INDUCTOR, 10U J
L1002	645 003 6965	INDUCTOR, 120U K
L802	610 012 3991	JUNPER LEAD
L803	645 003 6910	INDUCTOR, 10U J
L804	645 008 2016	INDUCTOR, 100U J
L810	645 008 2016	INDUCTOR, 100U J
DIODE		
D011	407 004 8009	DIODE DSB015-TB
D066	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D067	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1001	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
D1002	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
D1006	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
D1009	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
D101	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D102	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D103	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D104	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D108	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D109	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D111	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D112	407 004 8009	DIODE DSB015-TB
D113	407 004 8009	DIODE DSB015-TB
D116	407 004 8009	DIODE DSB015-TB
D117	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1173	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D121	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D122	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D301	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D302	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA

Ref. No.	Part No.	Description
D303	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D306	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D311	407 071 6502	ZENER DIODE DZD5.1Y-TA
D6611	407 004 8009	DIODE DSB015-TB
D6612	407 004 8009	DIODE DSB015-TB
D6613	407 004 8009	DIODE DSB015-TB
D6615	407 071 3709	ZENER DIODE DZD22Y-TA
D6616	407 071 3709	ZENER DIODE DZD22Y-TA
D6617	407 004 8009	DIODE DSB015-TB
D6619	407 004 8009	DIODE DSB015-TB
D6621	407 004 8009	DIODE DSB015-TB
D6851	407 108 3405	LED SLP-477B-51
D6851A	610 249 1647	HOLDER LED-S-S2AS
D6852	407 110 8801	LED SLP-177B-51
D6852A	610 249 1647	HOLDER LED-S-S2AS
D6853	407 098 7001	LED SLP-277B-51
D6853A	610 249 1647	HOLDER LED-S-S2AS
D6854	407 110 8801	LED SLP-177B-51
D6854A	610 249 1647	HOLDER LED-S-S2AS
D6856	407 004 8009	DIODE DSB015-TB
D801	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D802	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D803	407 004 8009	DIODE DSB015-TB
MISCELLANEOUS		
IC102A	610 245 1979	AUDIO HEATSINK-E2KA
IC102B	411 003 8908	SCR PAN+SW 3X6
IC102C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6603A	610 247 2677	HEAT SINK-S7VA
IC6603B	610 014 5818	WASHER
IC6603C	411 045 2209	SCR PAN+SW 3X10
IC6603D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6607A	610 247 2677	HEAT SINK-S7VA
IC6607B	610 014 5818	WASHER
IC6607C	411 045 2209	SCR PAN+SW 3X10
IC6607D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6608A	610 247 2677	HEAT SINK-S7VA
IC6608B	610 014 5818	WASHER
IC6608C	411 045 2209	SCR PAN+SW 3X10
IC6608D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC801A	610 237 0997	IC SOCKET
K8A	645 005 8394	SOCKET, 9P
K8B	645 004 2898	PLUG, 3P
K8C	645 000 2700	SOCKET, 17P
K8D	645 000 2694	SOCKET, 19P
K8G	645 004 2911	PLUG, 5P
K8H	645 004 2904	PLUG, 4P
K8I	645 004 2928	PLUG, 6P
K8J	645 004 2911	PLUG, 5P
K8K	645 004 2904	PLUG, 4P
K8L	645 004 2898	PLUG, 3P
K8M	645 004 2935	PLUG, 7P
K8N	645 004 2898	PLUG, 3P
K8O	645 004 2904	PLUG, 4P
K8P	645 004 2911	PLUG, 5P
K8Q	645 004 2898	PLUG, 3P
K8R	645 004 2904	PLUG, 4P
K8S	645 004 2898	PLUG, 3P
K8TS	610 009 7919	SOCKET-2P

Ref. No.	Part No.	Description
K8TS1	610 010 0862	TERMINAL PLUG
K8TS2	610 010 0862	TERMINAL PLUG
K8TTB	645 004 5387	FIXER CABLE TIES, L100
K8U	645 004 2942	PLUG, 8P
K8V	645 004 2935	PLUG, 7P
K8W	645 004 2898	PLUG, 3P
K8Z	645 004 2898	PLUG, 3P
K9TS	610 009 7797	SOCKET, 2P
K9TS1	610 009 5984	TERMINAL
K9TS2	610 009 5984	TERMINAL
PC801	408 016 8803	PC PC113 (VDE0884)
PC802	408 016 8803	PC PC113 (VDE0884)
SW6851	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6852	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6853	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6854	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6856	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6857	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6858	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6859	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6861	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6862	645 003 4701	SWITCH, PUSH 1P-1TX1
W004	610 012 5926	TERMINAL
X052	645 006 3343	FILTER, EMI 10000PF
X101	645 006 3350	FILTER, EMI 2200PF
X102	645 006 3350	FILTER, EMI 2200PF
X301	610 239 3347	CRYSTAL OSCILLATOR
X304	610 240 5408	CRYSTAL OSCILLATOR
X6601	645 006 3343	FILTER, EMI 10000PF
X6602	645 006 3343	FILTER, EMI 10000PF
X6603	645 006 3343	FILTER, EMI 10000PF
X801	645 000 3967	OSC, CERAMIC 6.00MHZ
X803	610 012 3991	JUNPER LEAD

ACCESSORIES

⚠	610 239 1374	AC CORD POWER
		······················ PLV-20E
⚠	645 000 1642	AC CORD, POWER
⚠	or 645 000 4520	AC CORD, POWER
		······················ PLV-20B
AA9901	645 025 0415	ASSY, REMOCON CXCP RC TRANSMITTER
A9901C	610 266 3372	RC-BATTERY LID-CXBW
	645 015 3976	RC CABLE, FXAF
	610 234 0969	RC CABLE
	610 267 8635	OWNER'S MANUAL-P4FA
		······················ PLV-20E
	610 267 8642	OWNER'S MANUAL-P4FB
		······················ PLV-20B



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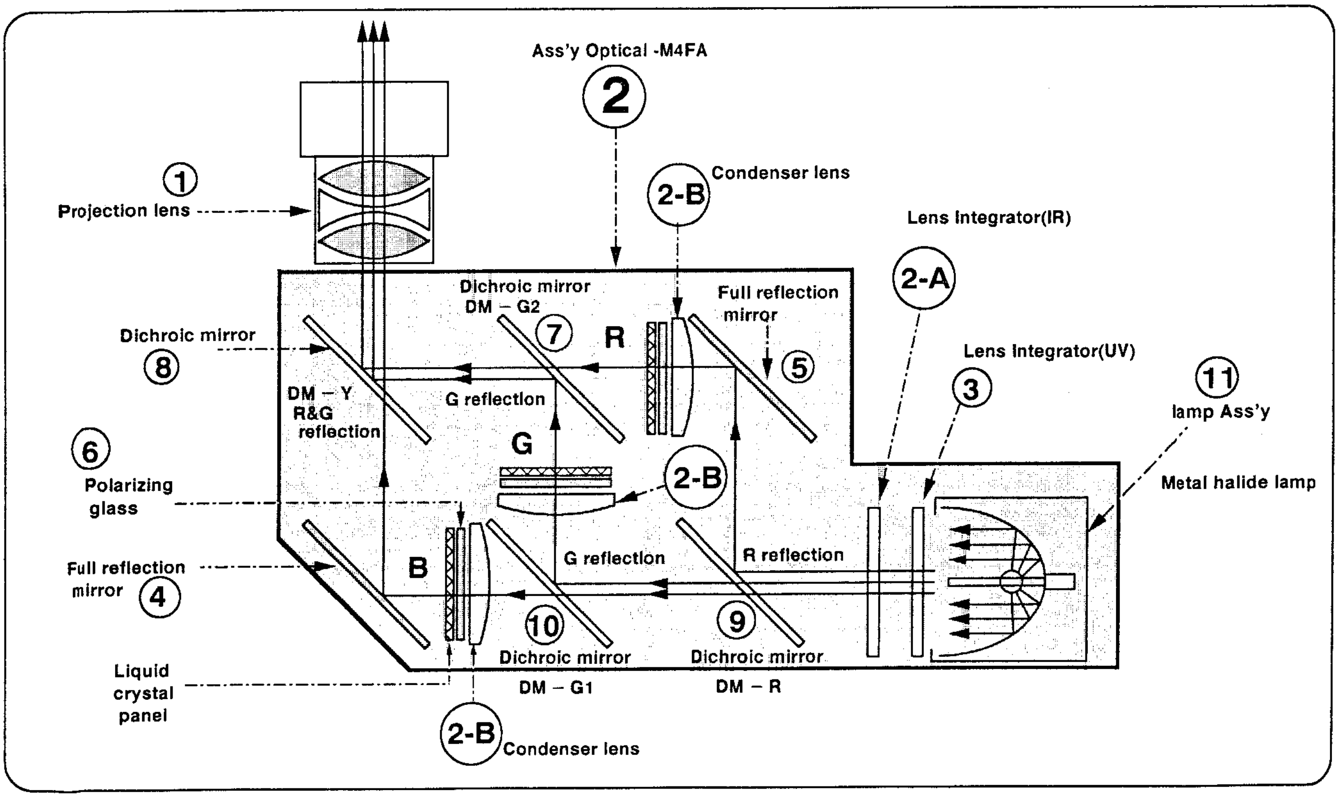
KEY NO.	PART NO.	DESCRIPTION
1.	610 268 2137	Compl,Cabinet Top - P4FA (Included A-G)
A.	412 018 8402	SCR P - TAP FLG 3X10E
B.	610 253 0391	Button - M6BA
C.	610 268 2205	Cabinet Top - M4FA
D.	610 268 2021	Dec Control Sheet - P4FA
E.	610 268 2274	Panel,Filter - M4FA
F.	610 258 1003	Filter Net B - M6BA
G.	610 253 0933	Filter Net A - M6BA
5.	610 268 2045	Compl,Cabinet BTM - M4FA (Included A-D)
A.	610 268 2168	Cabinet Bottom - M4FA
B.	610 262 8005	DEC RC - M6GA
C.	610 239 9899	Assy. LEG - E5SA (2USED)
D.	411 165 5401	Ring C 20 (2USED)
7.	610 268 2298	Cover,Lamp - M4FA
8.	610 253 0971	Holder SP - M6BA
9.	610 253 0483	Mounting Duct A - M6BA
10.	610 267 7867	Panel AV - M4FA
11.	610 267 7850	DEC AV Sheet - M4FC
12.	610 262 6032	Mounting Duct CR - M4BA
13.	610 260 3835	Panel AC - P4FA
15.	610 267 6594	Lens Cover
16.	610 256 7335	Cover BTM - M6BA
17.	610 259 5734	Cover Bottom - M4BA

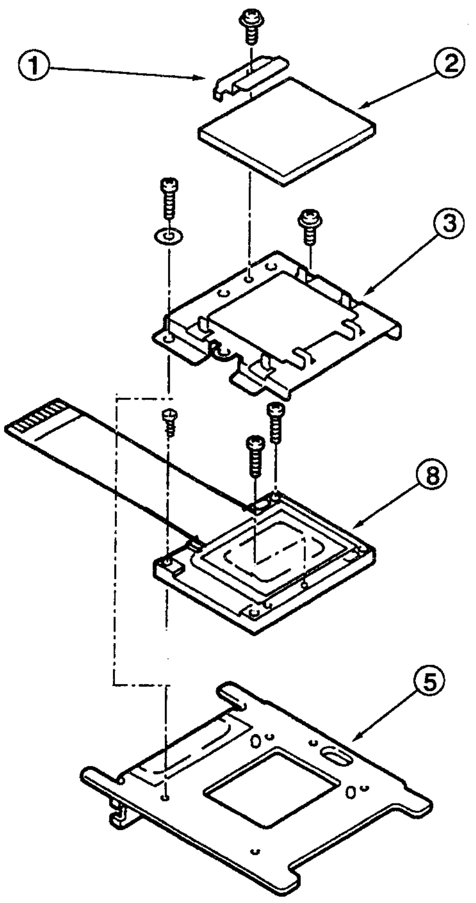
Optical Parts List

KEY NO.	PART NO.	DESCRIPTION
1.	645 020 1691	Projection Lens
2.	610 268 9761	Ass'y Optical M4FA
	2-A	Lens Integrator (IR)
	2-B	Condenser Lens (3 Used)
3.	645 018 6387	Lens Integrator (UV)
4.	645 009 9731	Mirror (For blue)
or	645 019 2777	
5.	645 018 7360	Mirror (Full reflection)
6.	– – – – – –	Polarizing Glass(See LCD Panel parts list)
7.	645 020 1561	Mirror (Dichroic-G2)
8.	645 021 6626	Mirror (Dichroic-Y)
9.	645 021 6619	Mirror (Dichroic-R)
10.	645 018 7377	Mirror (Dichroic-G1)
11.	– – – – – –	Metal Halide Lamp ASS'Y (LP901) (See Electrical parts list)

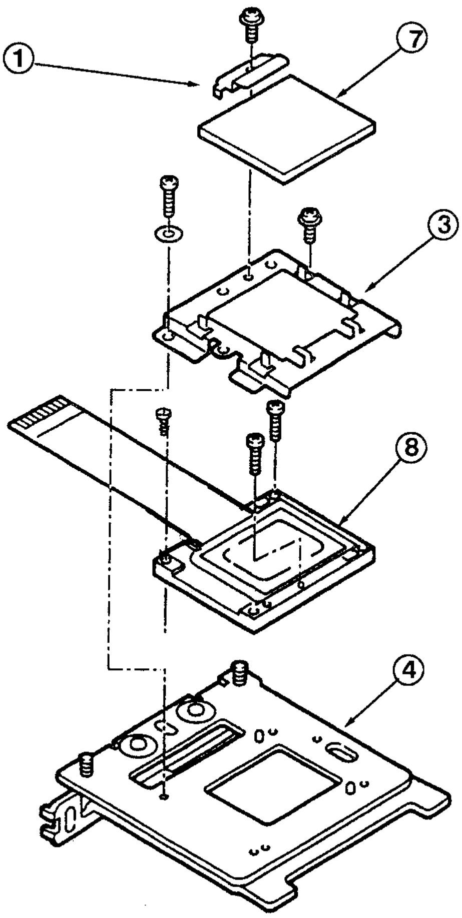

Ass'y Optical -M4FA
②
① Projection lens
2-B Condenser lens
Lens Integrator(IR)
2-A
Dichroic mirror DM – G2
⑦
R
Full reflection mirror
⑤
Lens Integrator(UV)
③
⑪ lamp Ass'y
Metal halide lamp
Dichroic mirror ⑧
DM – Y R&G reflection
G reflection
G
2-B
⑥ Polarizing glass
Full reflection mirror ④
B
G reflection
R reflection
⑩ Dichroic mirror DM – G1
⑨ Dichroic mirror DM – R
Liquid crystal panel
2-B Condenser lens

LCD Panel ass'y parts list

G LCD Panel ass'y parts list



B & R LCD Panel ass'y parts list



LCD Panel ass'y parts list

KEY NO.	PART NO.	DESCRIPTION
1.	610 252 8428	Stopper Polarized glass
2.	645 022 9664	Polarized Glass(G-Filter) Green
3.	610 263 1296	Mounting Polarized glass OUT
4.	610 259 5970	Mounting Panel B/R
5.	610 259 9069	Mounting Panel G
7.	645 022 9640	Polarized Glass(B-Filter) Blue
	645 022 9657	Polarized Glass(R-Filter) Red
8.	645 020 8775	Red LCD Panel
	645 020 1493	Green LCD Panel
	645 020 1509	Blue LCD Panel

Notice

☒ **CORRECTION** ☐ PRODUCTION CHANGE
☐ SERVICE FLASH ☐ ADD INFORMATION

FILE NO.

Revision 1

Please add this notice to the Service Manuals listed below.

Category : Portable LCD Color Video Projector
Date : Sep., / 19/1997
Model : PLV-20E
PLV-20B
Effective From: Service Ref. No. PLV-20E00
PLV-20B00
Destination : Europe, U.K.
REF : No. SS525029

The reason of change. ; A : Misprint B : Improvement of performance

OLD or NEW	Key NO.	Parts NO.	Description	Interchange-ability	Reason
		SS515029 Page 35	**LCD Panel assy Parts List**		
OLD	5.	610 259 9069	Mounting Panel G		
NEW		610 259 6069	Mounting Panel G	----	A

Prod. Code : 1 122 038 00, P4FA
1 122 038 01, P4FB

SANYO Electric Co ., Ltd.

Sep.,/ '97 / 1100 SI Printed in Japan

REFERENCE No. SS525029-01

SANYO

Notice

☐ CORRECTION ● **PRODUCTION CHANGE**
☐ SERVICE FLASH ☐ ADD INFORMATION

FILE NO.

Revision 2

Please add this notice to the Service Manuals listed below.

Category : Portable LCD Color Video Projector
Date : Nov,. / 10/1997
Model : PLV-20E PLV-20B
Effective From: Service Ref. No. PLV-20E-01 PLV-20B-01
Destination : Europe,Asia,Africa,M.E. U.K.
REF : No. SS525029

NOTE: Match the Service Ref. No. on the unit's back cover with the Service Ref. No. in the Service Manual.
If the Service Manual Service Ref. No. does not match the unit's, additional Service Literature is required. This chassis is similar to the Service Ref. NO. PLV-20E-01 PLV-20B-01 . Only the Difference Service Information is given in this manual. For detail Service Informations, Refer to the Original Service Manual and Notices for Service Ref. NO. PLV-20E-01,PLV-20B-01 used in Model PLV-20E,PLV-20B (SS525029)

The reason of change. ;

DVD Player input terminal addition

Prod. Code : 1 122 038 20, P4FAA
1 122 038 21, P4FBA

REFERENCE No. SS525029-02

Differences

Service Ref. NO.	Key NO.	Parts NO.	Description
		SS525029	**Page 25~ Electrical Parts List**
PLV-20E-00/20B-00		610 268 8733	ASSY PWB AV P4FA 1AA0B10C141BC
PLV-20E-01/20B-01		610 270 2736	ASSY PWB AV P4FAA 1AA0B10C151BC
			New Parts List ⇨ page 9~10
PLV-20E-00/20B-00		610 267 7157	ASSY PWB PRE AMP M4FA 1AA0B10C141AD
PLV-20E-01/20B-01		610 270 2699	ASSY PWB PRE AMP M4FAA 1AA0B10C151AD
			New Parts List ⇨ page 11
PLV-20E-00/20B-00		610 267 7386	ASSY PWB MAIN P4FA 1AA0B10C142C0
PLV-20E-01/20B-01		610 270 2798	ASSY PWB MAIN P4FAA 1AA0B10C150C0
			New Parts List ⇨ page 3~8
		SS525029	**Page 30 Accessories List**
PLV-20E-00/20B-00		610 267 8635	OWNER'S MANUAL-P4FA
		610 267 8642	OWNER'S MANUAL-P4FB
PLV-20E-01/20B-01		610 270 0725	OWNER'S MANUAL-P4FAA
		610 270 0732	OWNER'S MANUAL-P4FBA
		SS525029	**Page 32 Cabinet Parts List**
PLV-20E-00/20B-00	10.	610 267 7867	PANEL AV-M4FA
PLV-20E-01/20B-01		610 270 3689	PANEL AV-M4FAA
PLV-20E-00/20B-00	11.	610 267 7850	DEC AV SHEET-M4FC
PLV-20E-01/20B-01		610 270 3702	DEC AV SHEET-M4FCA

610 270 2798 ASSY,PWB,MAIN P4FAA
1AA0B10C150C0

TRANSISTOR

Ref. No.	Part No.	Description
Q004	405 015 8704	TR 2SC2812-L6-TB
Q011	405 015 8704	TR 2SC2812-L6-TB
Q012	405 015 8704	TR 2SC2812-L6-TB
Q013	405 002 6706	TR 2SA1179-M6-TB
Q014	405 015 8704	TR 2SC2812-L6-TB
Q015	405 015 8704	TR 2SC2812-L6-TB
Q016	405 015 8704	TR 2SC2812-L6-TB
Q017	405 002 6706	TR 2SA1179-M6-TB
Q018	405 015 8704	TR 2SC2812-L6-TB
Q1001	405 015 8704	TR 2SC2812-L6-TB
Q1002	405 015 8704	TR 2SC2812-L6-TB
Q101	405 015 8704	TR 2SC2812-L6-TB
Q102	405 015 8704	TR 2SC2812-L6-TB
Q103	405 015 8704	TR 2SC2812-L6-TB
Q106	405 015 8704	TR 2SC2812-L6-TB
Q107	405 015 8704	TR 2SC2812-L6-TB
Q108	405 015 8704	TR 2SC2812-L6-TB
Q109	405 015 8704	TR 2SC2812-L6-TB
Q111	405 015 8704	TR 2SC2812-L6-TB
Q112	405 015 8704	TR 2SC2812-L6-TB
Q301	405 015 8704	TR 2SC2812-L6-TB
Q302	405 002 6706	TR 2SA1179-M6-TB
Q303	405 015 8704	TR 2SC2812-L6-TB
Q308	405 015 8704	TR 2SC2812-L6-TB
Q309	405 002 6706	TR 2SA1179-M6-TB
Q310	405 002 6706	TR 2SA1179-M6-TB
Q311	405 002 6706	TR 2SA1179-M6-TB
Q312	405 002 6706	TR 2SA1179-M6-TB
Q313	405 002 6706	TR 2SA1179-M6-TB
Q314	405 015 8704	TR 2SC2812-L6-TB
Q403	405 002 6706	TR 2SA1179-M6-TB
Q6603	405 015 8704	TR 2SC2812-L6-TB
Q6604	405 015 8704	TR 2SC2812-L6-TB
Q6851	405 002 6706	TR 2SA1179-M6-TB
Q6852	405 015 8704	TR 2SC2812-L6-TB
Q6853	405 015 8704	TR 2SC2812-L6-TB
Q6854	405 015 8704	TR 2SC2812-L6-TB
Q801	405 015 8704	TR 2SC2812-L6-TB
Q806	405 015 8704	TR 2SC2812-L6-TB
Q807	405 015 8704	TR 2SC2812-L6-TB

INTEGRATED CIRCUIT

Ref. No.	Part No.	Description
IC004	409 111 9306	IC LA7213
IC005	409 202 3008	IC MC74HC14AF
IC053	409 202 3008	IC MC74HC14AF
IC1001	409 415 6209	IC UGL-352KNT
IC1002	409 146 7209	IC LA7222
IC101	409 222 5709	IC MC14052BF
	409 051 2702	IC TC4052BF-TP1
IC102	409 073 1509	IC AN5265
IC301	409 346 1106	IC TDA9160A/N3
IC303	409 291 0605	IC TDA4661/V2
IC401	409 346 0703	IC MC14577CFL1
IC402	409 051 2900	IC TC4053BF-TP1
IC6602	409 343 5107	IC PQ15RF15
IC6603	409 365 2900	IC BA178M12T
IC6606	409 050 1706	IC TA79L005P
IC6607	409 241 5407	IC BA178M05T
IC6608	409 365 2801	IC BA178M08T
IC801	410 301 4001	IC M37204M8-B29SP
IC804	409 199 4705	IC MC14066BFL
	409 051 3402	IC TC4066BF-TP1
IC806	409 243 4200	IC MN1380-R
IC807	409 383 6805	IC 24LC08B/P
	409 296 9207	IC X24C08P

CAPACITOR

Ref. No.	Part No.	Description
C001	403 069 9500	CERAMIC 0.01U Z 50V
C002	403 135 5009	ELECT 47U M 10V
C021	403 125 5606	ELECT 100U M 16V
C022	403 056 7304	POLYESTER 1000P J 50V
C023	403 086 0108	NP-ELECT 4.7U M 25V
C025	403 134 9602	ELECT 47U M 16V
C028	403 056 7304	POLYESTER 1000P J 50V
C029	403 061 1601	POLYESTER 3900P J 50V
C031	403 067 7805	MT-COMPO 0.47U J 50V
C033	403 069 9500	CERAMIC 0.01U Z 50V
C076	403 011 4904	CERAMIC 120P J 50V
C078	403 069 9500	CERAMIC 0.01U Z 50V
C1001	403 069 9500	CERAMIC 0.01U Z 50V
C1002	403 125 5606	ELECT 100U M 16V
C1003	403 026 3008	CERAMIC 47P J 50V
C1004	403 239 5301	CERAMIC 160P J 50V
C1006	403 069 9500	CERAMIC 0.01U Z 50V
C1007	403 069 9500	CERAMIC 0.01U Z 50V
C101	403 121 3408	ELECT 2.2U M 50V
C1010	403 121 2609	ELECT 220U M 16V
C1011	403 069 9500	CERAMIC 0.01U Z 50V
C1012	403 069 9500	CERAMIC 0.01U Z 50V
C1013	403 134 9602	ELECT 47U M 16V
C1014	403 155 9209	NP-ELECT 22U M 16V
C1017	403 069 9500	CERAMIC 0.01U Z 50V
C102	403 121 3408	ELECT 2.2U M 50V
C103	403 107 9905	ELECT 10U M 16V
C104	403 069 9500	CERAMIC 0.01U Z 50V
C106	403 107 9905	ELECT 10U M 16V
C107	403 121 3408	ELECT 2.2U M 50V
C108	403 121 3408	ELECT 2.2U M 50V
C111	403 085 4008	NP-ELECT 10U M 16V
C112	403 085 4008	NP-ELECT 10U M 16V
C1120	403 069 9500	CERAMIC 0.01U Z 50V
C113	403 069 1702	CERAMIC 1000P K 50V
C114	403 085 4008	NP-ELECT 10U M 16V
C117	403 069 9500	CERAMIC 0.01U Z 50V
C118	403 134 5802	ELECT 470U M 16V
C119	403 109 6308	ELECT 1U M 50V
C121	403 109 6308	ELECT 1U M 50V
C122	403 109 6407	ELECT 10U M 50V
C123	403 109 6407	ELECT 10U M 50V
C124	403 067 7706	MT-COMPO 0.047U J 50V
C126	403 218 8101	ELECT 1000U M 25V
C127	403 111 8604	ELECT 470U M 25V
C128	403 107 9905	ELECT 10U M 16V
C129	403 107 9905	ELECT 10U M 16V
C2020	403 121 2609	ELECT 220U M 16V
C301	403 067 5603	MT-COMPO 0.1U J 50V
C302	403 086 2300	NP-ELECT 1U M 50V

Ref. No.	Part No.	Description
C303	403 111 0905	NP-ELECT 2.2U M 50V
C304	403 067 7805	MT-COMPO 0.47U J 50V
C306	403 192 5905	CERAMIC 0.1U K 25V
C307	403 060 6300	POLYESTER 3300P K 50V
C308	403 067 5603	MT-COMPO 0.1U J 50V
C309	403 014 3607	CERAMIC 18P J 50V
C313	403 012 7003	CERAMIC 15P J 50V
C314	403 060 6300	POLYESTER 3300P K 50V
C315	403 192 5905	CERAMIC 0.1U K 25V
C316	403 067 7805	MT-COMPO 0.47U J 50V
C317	403 121 2609	ELECT 220U M 16V
C318	403 121 2609	ELECT 220U M 16V
C319	403 069 9500	CERAMIC 0.01U Z 50V
C321	403 192 5905	CERAMIC 0.1U K 25V
C322	403 192 5905	CERAMIC 0.1U K 25V
C327	403 192 5905	CERAMIC 0.1U K 25V
C328	403 192 5905	CERAMIC 0.1U K 25V
C329	403 125 5606	ELECT 100U M 16V
C331	403 069 9500	CERAMIC 0.01U Z 50V
C332	403 069 9500	CERAMIC 0.01U Z 50V
C333	403 125 5606	ELECT 100U M 16V
C341	403 033 4500	CERAMIC 82P J 50V
C342	403 011 4904	CERAMIC 120P J 50V
C343	403 033 4500	CERAMIC 82P J 50V
C344	403 011 4904	CERAMIC 120P J 50V
C346	403 069 9500	CERAMIC 0.01U Z 50V
C347	403 069 9500	CERAMIC 0.01U Z 50V
C348	403 069 9500	CERAMIC 0.01U Z 50V
C401	403 155 9209	NP-ELECT 22U M 16V
C402	403 121 2609	ELECT 220U M 16V
C403	403 121 2609	ELECT 220U M 16V
C404	403 235 8405	CERAMIC 150P J 50V
C405	403 069 9500	CERAMIC 0.01U Z 50V
C414	403 235 8405	CERAMIC 150P J 50V
C415	403 069 9500	CERAMIC 0.01U Z 50V
C420	403 134 9602	ELECT 47U M 16V
C421	403 069 9500	CERAMIC 0.01U Z 50V
C422	403 069 9500	CERAMIC 0.01U Z 50V
C423	403 069 9500	CERAMIC 0.01U Z 50V
C424	403 069 9500	CERAMIC 0.01U Z 50V
C6602	403 121 2302	ELECT 470U M 10V
C6603	403 069 9500	CERAMIC 0.01U Z 50V
C6604	403 107 9509	ELECT 100U M 10V
C6606	403 069 9500	CERAMIC 0.01U Z 50V
C6607	403 107 9509	ELECT 100U M 10V
C6608	403 069 9500	CERAMIC 0.01U Z 50V
C6609	403 107 9509	ELECT 100U M 10V
C6611	403 069 9500	CERAMIC 0.01U Z 50V
C6616	403 069 9500	CERAMIC 0.01U Z 50V
C6617	403 109 5707	ELECT 220U M 25V
C6618	403 069 9500	CERAMIC 0.01U Z 50V
C6619	403 109 5608	ELECT 100U M 25V
C6620	403 069 9500	CERAMIC 0.01U Z 50V
C6621	403 069 9500	CERAMIC 0.01U Z 50V
C6622	403 109 5608	ELECT 100U M 25V
C6623	403 069 9500	CERAMIC 0.01U Z 50V
C6631	403 069 9500	CERAMIC 0.01U Z 50V
C6632	403 134 5802	ELECT 470U M 16V
C6633	403 069 9500	CERAMIC 0.01U Z 50V
C6642	403 109 5707	ELECT 220U M 25V
C6643	403 069 9500	CERAMIC 0.01U Z 50V
C6645	403 109 6407	ELECT 10U M 50V
C6646	403 134 9602	ELECT 47U M 16V
C6647	403 069 9500	CERAMIC 0.01U Z 50V
C6651	403 069 9500	CERAMIC 0.01U Z 50V
C6652	403 107 9509	ELECT 100U M 10V
C6653	403 069 9500	CERAMIC 0.01U Z 50V
C6658	403 107 9509	ELECT 100U M 10V
C6659	403 069 9500	CERAMIC 0.01U Z 50V
C6661	403 069 9500	CERAMIC 0.01U Z 50V
C6662	403 069 9500	CERAMIC 0.01U Z 50V
C6663	403 134 9602	ELECT 47U M 16V
C6851	403 070 2606	CERAMIC 0.1U Z 50V
C6852	403 070 2606	CERAMIC 0.1U Z 50V
C801	403 121 3002	ELECT 4.7U M 25V
C802	403 121 3002	ELECT 4.7U M 25V
C803	403 192 5905	CERAMIC 0.1U K 25V
C804	403 192 5905	CERAMIC 0.1U K 25V
C809	403 069 9500	CERAMIC 0.01U Z 50V
C810	403 069 9500	CERAMIC 0.01U Z 50V
C811	403 107 9905	ELECT 10U M 16V
C812	403 069 9500	CERAMIC 0.01U Z 50V
C813	403 192 5905	CERAMIC 0.1U K 25V
C814	403 134 5505	ELECT 10U M 25V
C821	403 121 3408	ELECT 2.2U M 50V
C822	403 069 9500	CERAMIC 0.01U Z 50V
C827	403 009 5708	CERAMIC 100P J 50V
C830	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R030	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R031	401 037 5608	MT-GLAZE 10K JA 1/10W
R032	401 037 5608	MT-GLAZE 10K JA 1/10W
R033	401 038 3504	MT-GLAZE 330 JA 1/10W
R034	401 038 0602	MT-GLAZE 220 JA 1/10W
R035	401 038 2309	MT-GLAZE 270K JA 1/10W
R036	401 037 5608	MT-GLAZE 10K JA 1/10W
R037	401 038 6307	MT-GLAZE 470 JA 1/10W
R038	401 037 8005	MT-GLAZE 15K JA 1/10W
R039	401 037 5400	MT-GLAZE 1K JA 1/10W
R040	401 038 2309	MT-GLAZE 270K JA 1/10W
R041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R042	401 038 6307	MT-GLAZE 470 JA 1/10W
R043	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R044	401 038 6307	MT-GLAZE 470 JA 1/10W
R045	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R046	401 037 5806	MT-GLAZE 1M JA 1/10W
R047	401 037 5608	MT-GLAZE 10K JA 1/10W
R048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R074	401 038 3504	MT-GLAZE 330 JA 1/10W
R080	401 037 5608	MT-GLAZE 10K JA 1/10W
R081	401 037 5608	MT-GLAZE 10K JA 1/10W
R100	401 037 5400	MT-GLAZE 1K JA 1/10W
R1001	401 037 5608	MT-GLAZE 10K JA 1/10W
R1002	401 037 5608	MT-GLAZE 10K JA 1/10W
R1004	401 038 9001	MT-GLAZE 680 JA 1/10W
R1005	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R1006	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R1007	401 037 5400	MT-GLAZE 1K JA 1/10W
R1008	401 037 5400	MT-GLAZE 1K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1009	401 038 7601	MT-GLAZE 560 JA 1/10W	R327	401 038 5300	MT-GLAZE 39K JA 1/10W
R101	401 037 5707	MT-GLAZE 100K JA 1/10W	R328	401 094 1902	MT-GLAZE 10M JA 1/10W
R1011	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R330	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1017	401 038 2903	MT-GLAZE 300 JA 1/10W	R333	401 038 0602	MT-GLAZE 220 JA 1/10W
R102	401 037 5707	MT-GLAZE 100K JA 1/10W	R334	401 038 0602	MT-GLAZE 220 JA 1/10W
R1023	401 038 2903	MT-GLAZE 300 JA 1/10W	R335	401 038 0602	MT-GLAZE 220 JA 1/10W
R103	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R336	401 038 0602	MT-GLAZE 220 JA 1/10W
R104	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R337	401 038 0602	MT-GLAZE 220 JA 1/10W
R106	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R338	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R107	401 037 5707	MT-GLAZE 100K JA 1/10W	R339	401 038 0602	MT-GLAZE 220 JA 1/10W
R108	401 037 5707	MT-GLAZE 100K JA 1/10W	R340	401 038 0602	MT-GLAZE 220 JA 1/10W
R109	401 037 8005	MT-GLAZE 15K JA 1/10W	R341	401 038 0602	MT-GLAZE 220 JA 1/10W
R111	401 037 5707	MT-GLAZE 100K JA 1/10W	R342	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R112	401 037 5707	MT-GLAZE 100K JA 1/10W	R343	401 038 0602	MT-GLAZE 220 JA 1/10W
R113	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R346	401 038 7502	MT-GLAZE 56 JA 1/10W
R114	401 038 7809	MT-GLAZE 56K JA 1/10W	R347	401 038 0602	MT-GLAZE 220 JA 1/10W
R116	401 037 5707	MT-GLAZE 100K JA 1/10W	R348	401 038 5003	MT-GLAZE 390 JA 1/10W
R117	401 037 5707	MT-GLAZE 100K JA 1/10W	R349	401 038 7502	MT-GLAZE 56 JA 1/10W
R118	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R351	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1186	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R401	401 037 7305	MT-GLAZE 1.3K JA 1/10W
R119	401 038 7809	MT-GLAZE 56K JA 1/10W	R402	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R121	401 037 8005	MT-GLAZE 15K JA 1/10W	R403	401 037 5608	MT-GLAZE 10K JA 1/10W
R122	401 038 5102	MT-GLAZE 3.9K JA 1/10W	R404	401 037 5608	MT-GLAZE 10K JA 1/10W
R123	401 039 0304	MT-GLAZE 820 JA 1/10W	R411	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R134	401 037 5608	MT-GLAZE 10K JA 1/10W	R412	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R136	401 037 5608	MT-GLAZE 10K JA 1/10W	R413	401 037 5608	MT-GLAZE 10K JA 1/10W
R137	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R414	401 037 5608	MT-GLAZE 10K JA 1/10W
R138	401 038 9308	MT-GLAZE 68K JA 1/10W	R420	401 037 5608	MT-GLAZE 10K JA 1/10W
R139	401 038 9001	MT-GLAZE 680 JA 1/10W	R435	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R141	401 037 8005	MT-GLAZE 15K JA 1/10W	R437	401 037 6209	MT-GLAZE 11K JA 1/10W
R142	401 068 1600	OXIDE-MT 4.7 JA 2W	R438	401 039 1004	MT-GLAZE 9.1K JA 1/10W
R143	401 068 1600	OXIDE-MT 4.7 JA 2W	R439	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R144	401 059 2807	OXIDE-MT 150 JA 1W	R6607	401 038 9506	MT-GLAZE 75 JA 1/10W
R146	401 037 5608	MT-GLAZE 10K JA 1/10W	R6611	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R151	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R6613	401 038 0800	MT-GLAZE 22K JA 1/10W
R152	401 038 9001	MT-GLAZE 680 JA 1/10W	R6614	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R153	401 037 5707	MT-GLAZE 100K JA 1/10W	R6616	401 064 6302	OXIDE-MT 10 JA 2W
R154	401 037 5202	MT-GLAZE 100 JA 1/10W	R6623	401 067 8204	OXIDE-MT 39 JA 2W
R155	401 037 5400	MT-GLAZE 1K JA 1/10W	R6676	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R161	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R6677	401 037 6803	MT-GLAZE 12K JA 1/10W
R162	401 038 9001	MT-GLAZE 680 JA 1/10W	R6678	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R163	401 037 5707	MT-GLAZE 100K JA 1/10W	R6679	401 038 5003	MT-GLAZE 390 JA 1/10W
R164	401 037 5202	MT-GLAZE 100 JA 1/10W	R6681	401 038 0602	MT-GLAZE 220 JA 1/10W
R171	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6682	401 037 5400	MT-GLAZE 1K JA 1/10W
R172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6683	401 037 5400	MT-GLAZE 1K JA 1/10W
R301	401 037 5400	MT-GLAZE 1K JA 1/10W	R6684	401 037 5608	MT-GLAZE 10K JA 1/10W
R302	401 037 5400	MT-GLAZE 1K JA 1/10W	R6685	401 038 0602	MT-GLAZE 220 JA 1/10W
R303	401 037 5400	MT-GLAZE 1K JA 1/10W	R6686	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R306	401 037 5400	MT-GLAZE 1K JA 1/10W	R6687	401 037 5608	MT-GLAZE 10K JA 1/10W
R307	401 038 9803	MT-GLAZE 75K JA 1/10W	R6688	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R311	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6689	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R312	401 037 8005	MT-GLAZE 15K JA 1/10W	R6691	401 037 5608	MT-GLAZE 10K JA 1/10W
R316	401 038 6307	MT-GLAZE 470 JA 1/10W	R6692A	610 012 3991	JUNPER LEAD
R317	401 038 3504	MT-GLAZE 330 JA 1/10W	R6851	401 038 3207	MT-GLAZE 300K JA 1/10W
R318	401 038 7106	MT-GLAZE 510 JA 1/10W	R6852	401 037 5608	MT-GLAZE 10K JA 1/10W
R319	401 038 7502	MT-GLAZE 56 JA 1/10W	R6853	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R321	401 038 6307	MT-GLAZE 470 JA 1/10W	R6854	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R322	401 038 6307	MT-GLAZE 470 JA 1/10W	R6856	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R323	401 038 6604	MT-GLAZE 470K JA 1/10W	R6857	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R326	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6858	401 037 5400	MT-GLAZE 1K JA 1/10W

Ref. No.	Part No.	Description
R6859	401 037 5608	MT-GLAZE 10K JA 1/10W
R6861	401 038 2309	MT-GLAZE 270K JA 1/10W
R6862	401 038 2200	MT-GLAZE 27K JA 1/10W
R6863	401 037 5608	MT-GLAZE 10K JA 1/10W
R6864	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6866	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6867	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6868	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6869	401 037 5400	MT-GLAZE 1K JA 1/10W
R6871	401 037 5608	MT-GLAZE 10K JA 1/10W
R801	401 037 5202	MT-GLAZE 100 JA 1/10W
R802	401 038 3504	MT-GLAZE 330 JA 1/10W
R803	401 037 5608	MT-GLAZE 10K JA 1/10W
R805	401 038 6307	MT-GLAZE 470 JA 1/10W
R806	401 037 5608	MT-GLAZE 10K JA 1/10W
R809	401 037 5400	MT-GLAZE 1K JA 1/10W
R811	401 037 8005	MT-GLAZE 15K JA 1/10W
R812	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R813	401 037 5400	MT-GLAZE 1K JA 1/10W
R814	401 037 5202	MT-GLAZE 100 JA 1/10W
R818	401 037 5608	MT-GLAZE 10K JA 1/10W
R819	401 037 5608	MT-GLAZE 10K JA 1/10W
R821	401 037 5608	MT-GLAZE 10K JA 1/10W
R822	401 037 5608	MT-GLAZE 10K JA 1/10W
R823	401 037 6803	MT-GLAZE 12K JA 1/10W
R824	401 037 9408	MT-GLAZE 180K JA 1/10W
R826	401 038 2200	MT-GLAZE 27K JA 1/10W
R827	401 037 5608	MT-GLAZE 10K JA 1/10W
R847	401 037 5608	MT-GLAZE 10K JA 1/10W
R849	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R851	401 037 5400	MT-GLAZE 1K JA 1/10W
R852	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R853	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R854	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R856	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R857	401 037 5608	MT-GLAZE 10K JA 1/10W
R858	401 037 5608	MT-GLAZE 10K JA 1/10W
R859	401 037 9309	MT-GLAZE 18K JA 1/10W
R860	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R868	401 037 5202	MT-GLAZE 100 JA 1/10W
R871	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R872	401 038 9308	MT-GLAZE 68K JA 1/10W
R880	401 037 5202	MT-GLAZE 100 JA 1/10W
R883	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R885	401 037 5707	MT-GLAZE 100K JA 1/10W
R891	401 037 5608	MT-GLAZE 10K JA 1/10W
R892	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R893	401 037 5608	MT-GLAZE 10K JA 1/10W
R894	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R896	401 037 5608	MT-GLAZE 10K JA 1/10W
R897	401 038 7601	MT-GLAZE 560 JA 1/10W
R898	401 037 5400	MT-GLAZE 1K JA 1/10W
R899	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
COIL		
L026	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L1001	645 003 6910	INDUCTOR, 10U J
L1002	645 003 6965	INDUCTOR, 120U K
L802	610 012 3991	JUNPER LEAD
L803	645 003 6910	INDUCTOR, 10U J

Ref. No.	Part No.	Description
L804	645 008 2016	INDUCTOR, 100U J
L810	645 008 2016	INDUCTOR, 100U J
DIODE		
D011	407 004 8009	DIODE DSB015-TB
D066	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D067	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1001	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1002	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1006	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1009	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D101	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D102	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D103	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D104	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D108	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA

Ref. No.	Part No.	Description
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D109	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D111	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D112	407 004 8009	DIODE DSB015-TB
D113	407 004 8009	DIODE DSB015-TB
D116	407 004 8009	DIODE DSB015-TB
D117	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1173	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D121	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D122	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D301	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D302	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D303	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D306	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D311	407 071 6502	ZENER DIODE DZD5.1Y-TA
	407 175 3407	ZD 02CZ5.1Y(TE85R)
D401	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D402	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D403	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D6611	407 004 8009	DIODE DSB015-TB
D6612	407 004 8009	DIODE DSB015-TB
D6613	407 004 8009	DIODE DSB015-TB
D6615	407 071 3709	ZENER DIODE DZD22Y-TA
	407 198 8908	ZD 02CZ22Y(TE85R)
D6616	407 071 3709	ZENER DIODE DZD22Y-TA
	407 198 8908	ZD 02CZ22Y(TE85R)
D6617	407 004 8009	DIODE DSB015-TB
D6619	407 004 8009	DIODE DSB015-TB
D6621	407 004 8009	DIODE DSB015-TB
D6851	407 108 3405	LED SLP-477B-51
D6851A	610 249 1647	HOLDER LED-S-S2AS
D6852	407 110 8801	LED SLP-177B-51
D6852A	610 249 1647	HOLDER LED-S-S2AS
D6853	407 098 7001	LED SLP-277B-51
D6853A	610 249 1647	HOLDER LED-S-S2AS
D6854	407 110 8801	LED SLP-177B-51
D6854A	610 249 1647	HOLDER LED-S-S2AS
D6856	407 004 8009	DIODE DSB015-TB
D801	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D802	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D803	407 004 8009	DIODE DSB015-TB
MISCELLANEOUS		
IC1001A	645 027 7122	PLUG, 5P
IC102A	610 245 1979	AUDIO HEATSINK-E2KA
IC102B	411 003 8908	SCR PAN+SW 3X6
IC102C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6603A	610 247 2677	HEAT SINK-S7VA
IC6603B	610 014 5818	WASHER
IC6603C	411 045 2209	SCR PAN+SW 3X10
IC6603D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6607A	610 247 2677	HEAT SINK-S7VA
IC6607B	610 014 5818	WASHER
IC6607C	411 045 2209	SCR PAN+SW 3X10
IC6607D	411 004 4404	NUT HEX 3

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	411 054 7509	NUT HEX 3			
IC6608A	610 247 2677	HEAT SINK-S7VA			
IC6608B	610 014 5818	WASHER			
IC6608C	411 045 2209	SCR PAN+SW 3X10			
IC6608D	411 004 4404	NUT HEX 3			
	411 054 7509	NUT HEX 3			
IC801A	610 237 0997	IC SOCKET			
K8A	645 005 8394	SOCKET, 9P			
K8B	645 004 2898	PLUG, 3P			
K8C	645 000 2700	SOCKET, 17P			
K8D	645 000 2694	SOCKET, 19P			
K8G	645 004 2911	PLUG, 5P			
K8H	645 004 2904	PLUG, 4P			
K8I	645 004 2928	PLUG, 6P			
K8J	645 004 2911	PLUG, 5P			
K8K	645 004 2904	PLUG, 4P			
K8L	645 004 2898	PLUG, 3P			
K8M	645 004 2935	PLUG, 7P			
K8N	645 004 2898	PLUG, 3P			
K8O	645 004 2904	PLUG, 4P			
K8P	645 004 2911	PLUG, 5P			
K8Q	645 004 2898	PLUG, 3P			
K8R	645 004 2904	PLUG, 4P			
K8S	645 004 2898	PLUG, 3P			
K8TS	610 009 7919	SOCKET-2P			
K8TS1	610 010 0862	TERMINAL PLUG			
K8TS2	610 010 0862	TERMINAL PLUG			
K8TTB	645 004 5387	FIXER CABLE TIES, L100			
K8U	645 004 2942	PLUG, 8P			
K8V	645 004 2935	PLUG, 7P			
K8W	645 004 2898	PLUG, 3P			
K8Z	645 004 2898	PLUG, 3P			
K9TS	610 009 7797	SOCKET, 2P			
K9TS1	610 009 5984	TERMINAL			
K9TS2	610 009 5984	TERMINAL			
⚠PC801	408 016 8803	PC PC113 (VDE0884)			
⚠PC802	408 016 8803	PC PC113 (VDE0884)			
SW6851	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6852	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6853	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6854	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6856	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6857	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6858	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6859	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6861	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6862	645 003 4701	SWITCH, PUSH 1P-1TX1			
W004	610 012 5926	TERMINAL			
X052	645 006 3343	FILTER, EMI 10000PF			
X101	645 006 3350	FILTER, EMI 2200PF			
X102	645 006 3350	FILTER, EMI 2200PF			
X301	610 239 3347	CRYSTAL OSCILLATOR			
X304	610 240 5408	CRYSTAL OSCILLATOR			
X6601	645 006 3343	FILTER, EMI 10000PF			
X6602	645 006 3343	FILTER, EMI 10000PF			
X6603	645 006 3343	FILTER, EMI 10000PF			
X801	645 000 3967	OSC, CERAMIC 6.00MHZ			
X803	610 012 3991	JUNPER LEAD			

610 270 2736 ASSY,PWB,AV P4FAA
1AA0B10C151BC

Ref. No.	Part No.	Description
TRANSISTOR		
Q1101	405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB
INTEGRATED CIRCUIT		
IC1101	409 211 7301	IC MC14053BFL
CAPACITOR		
C1101	403 069 9500	CERAMIC 0.01U Z 50V
C1102	403 163 8409	ELECT 47U M 16V
C1111	403 105 9501	CERAMIC 1000P J 50V
C1113	403 105 9501	CERAMIC 1000P J 50V
C1131	403 069 9500	CERAMIC 0.01U Z 50V
C1132	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R1101	401 037 7800	MT-GLAZE 150 JA 1/10W
R1102	401 037 7800	MT-GLAZE 150 JA 1/10W
R1103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1106	401 038 6604	MT-GLAZE 470K JA 1/10W
R1107	401 037 5400	MT-GLAZE 1K JA 1/10W
R1108	401 038 6604	MT-GLAZE 470K JA 1/10W
R1109	401 037 5400	MT-GLAZE 1K JA 1/10W
R1111	401 037 7800	MT-GLAZE 150 JA 1/10W
R1112	401 037 7800	MT-GLAZE 150 JA 1/10W
R1113	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1116	401 038 6604	MT-GLAZE 470K JA 1/10W
R1117	401 038 6604	MT-GLAZE 470K JA 1/10W
R1118	401 037 5608	MT-GLAZE 10K JA 1/10W
R1121	401 037 5608	MT-GLAZE 10K JA 1/10W
R1126	401 037 5400	MT-GLAZE 1K JA 1/10W
R1127	401 037 5400	MT-GLAZE 1K JA 1/10W
R1132	401 037 5400	MT-GLAZE 1K JA 1/10W
R1141	401 037 7800	MT-GLAZE 150 JA 1/10W
R1142	401 037 7800	MT-GLAZE 150 JA 1/10W
R1143	401 037 7800	MT-GLAZE 150 JA 1/10W
R1144	401 037 7800	MT-GLAZE 150 JA 1/10W
R1151	401 038 6604	MT-GLAZE 470K JA 1/10W
R1152	401 038 9506	MT-GLAZE 75 JA 1/10W
R1161	401 037 5202	MT-GLAZE 100 JA 1/10W
R1162	401 038 3801	MT-GLAZE 330K JA 1/10W
R1163	401 037 5400	MT-GLAZE 1K JA 1/10W
R1164	401 037 5608	MT-GLAZE 10K JA 1/10W
R1171	401 037 7800	MT-GLAZE 150 JA 1/10W
R1172	401 037 7800	MT-GLAZE 150 JA 1/10W
R1173	401 037 7800	MT-GLAZE 150 JA 1/10W
R1174	401 037 7800	MT-GLAZE 150 JA 1/10W
COIL		
L1111	645 026 1121	INDUCTOR, 10U K
L1112	645 026 1121	INDUCTOR, 10U K
L1113	645 026 1121	INDUCTOR, 10U K
DIODE		
D1101	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1102	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1106	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1107	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1111	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1112	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1116	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1117	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1121	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1122	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1126	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1127	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1131	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1132	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1133	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1134	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1136	407 071 7301	ZENER DIODE DZD6.2Y-TA

Ref. No.	Part No.	Description
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1146	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1147	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1148	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1149	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1151	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1152	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1153	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1154	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1156	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1157	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1158	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D1159	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1161	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1162	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1171	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1172	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1173	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1174	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
MISCELLANEOUS		
K11A	645 005 0244	TERMINAL,BOARD
K11B	645 000 3356	TERMINAL,BOARD
K11C	645 025 0170	JACK,RCA-3
K11E	645 011 4816	JACK,PHONE D3.6
K11F	645 009 8079	SOCKET,DC
K11G	645 000 2571	JACK,PHONE D8.0
K11H	645 026 7680	JACK,RCA-2
K11J	645 000 2663	PLUG,PWB-PWB 19P
K11K	645 000 2670	PLUG,PWB-PWB 17P
K11L	645 005 8073	PLUG,PWB-PWB 9P
SW1101	610 011 1790	SWITCH,PUSH
WA-4	610 262 4298	STAPLE-S5ME
X1101	645 025 0613	FILTER,EMI 45PF
X1102	645 025 0620	FILTER,EMI 85PF
X1104	645 025 0620	FILTER,EMI 85PF
X1106	645 025 0613	FILTER,EMI 45PF
X1107	645 025 0620	FILTER,EMI 85PF
X1108	645 025 0620	FILTER,EMI 85PF
X1111	645 025 0620	FILTER,EMI 85PF
X1114	645 025 0613	FILTER,EMI 45PF
X1116	645 025 0613	FILTER,EMI 45PF
X1121	645 025 0613	FILTER,EMI 45PF
X1122	645 025 0620	FILTER,EMI 85PF
X1123	645 025 0620	FILTER,EMI 85PF
X1126	645 006 3350	FILTER,EMI 2200PF
X1127	645 006 3350	FILTER,EMI 2200PF
X1128	645 006 3350	FILTER,EMI 2200PF
X1131	645 025 0613	FILTER,EMI 45PF
X1132	645 025 0613	FILTER,EMI 45PF
X1133	645 025 0613	FILTER,EMI 45PF
X1171	645 025 0613	FILTER,EMI 45PF
X1172	645 025 0613	FILTER,EMI 45PF

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description

610 270 2699 ASSY,PWB,PRE AMP M4FAA 1AA0B10C151AD

Ref. No.	Part No.	Description
RESISTOR		
R1201	401 037 5202	MT-GLAZE 100 JA 1/10W
DIODE		
D1201	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1202	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
MISCELLANEOUS		
AU1201	645 007 1546	UNIT,REMOCON RECEIVER
	610 224 5806	RC PREAMP 409-1L
K1201	645 004 2898	PLUG,3P

SANYO

Notice

☐ CORRECTION
● **PRODUCTION CHANGE**
☐ SERVICE FLASH
☐ ADD INFORMATION

FILE NO.

Revision 3

Please add this notice to the Service Manuals listed below.

Category : Portable LCD Color Video Projector

Date : May / 20/1998

Model : PLV-20E
PLV-20B

Effective From: Service Ref. No. PLV-20E-02 PLV-20B-02

Destination : Europe,Asia,Africa,M.E. U.K.

REF : No. SS525029

NOTE: Match the Service Ref. No. on the unit's back cover with the Service Ref. No. in the Service Manual.
If the Service Manual Service Ref. No. does not match the unit's, additional Service Literature is required. This chassis is similar to the Service Ref. NO. PLV-20E-00 PLV-20B-00 . Only the Difference Service Information is given in this manual. For detail Service Informations, Refer to the Original Service Manual and Notices for Service Ref. NO. PLV-20E-00,PLV-20B-00 used in Model PLV-20E,PLV-20B (SS525029)

Prod. Code : 1 122 038 20, P4FAA
1 122 038 21, P4FBA

REFERENCE No. SS525029-03

Differences

Service Ref. NO. PLV-20E-00 PLV-20B-00			Service Ref. NO. PLV-20E-02 PLV-20B-02		
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
SS525029 Page 25~ Electrical Parts List			SS525029 Page 25~ Electrical Parts List		
	610 268 8733	ASSY AV P4FA 1AA0B10C141BC		610 270 2736	ASSY AV P4FAA 1AA0B10C151BC New Parts List ⇨ page 9~10
	610 267 7157	ASSY PRE AMP M4FA 1AA0B10C141AD		610 270 2699	ASSY PRE AMP M4FAA 1AA0B10C151AD New Parts List ⇨ page 11
	610 267 7386	ASSY MAIN P4FA 1AA0B10C142C0		610 273 9893	ASSY MAIN P4FAA-A 1AA0B10C150I0 New Parts List ⇨ page 3~8
SS525029 Page 30 Accessories Parts List			SS525029 Page 30 Accessories Parts List		
	610 267 8635	OWNER'S MANUAL PLV -20E		610 274 7713	OWNER'S MANUAL-P4FAA-A PLV-20E
	610 267 8642	OWNER'S MANUAL PLV -20B		610 274 7720	OWNER'S MANUAL-P4FBA-A PLV-20B
SS525029 Page 32 Cabinet Parts List			SS525029 Page 32 Cabinet Parts List		
10.	610 267 7867	PANEL AV-M4FA	10.	610 270 3689	PANEL AV-M4FAA
11.	610 267 7850	DEC AV SHEET-M4FC	11.	610 270 3702	DEC AV SHEET-M4FCA

610 273 9893 ASSY,PWB,MAIN P4FAA-A

1AA0B10C150I0

Ref. No.	Part No.	Description
TRANSISTOR		
Q004	405 015 8704	TR 2SC2812-L6-TB
Q011	405 015 8704	TR 2SC2812-L6-TB
Q012	405 015 8704	TR 2SC2812-L6-TB
Q013	405 002 6706	TR 2SA1179-M6-TB
Q014	405 015 8704	TR 2SC2812-L6-TB
Q015	405 015 8704	TR 2SC2812-L6-TB
Q016	405 015 8704	TR 2SC2812-L6-TB
Q017	405 002 6706	TR 2SA1179-M6-TB
Q018	405 015 8704	TR 2SC2812-L6-TB
Q1001	405 015 8704	TR 2SC2812-L6-TB
Q1002	405 015 8704	TR 2SC2812-L6-TB
Q101	405 015 8704	TR 2SC2812-L6-TB
Q102	405 015 8704	TR 2SC2812-L6-TB
Q103	405 015 8704	TR 2SC2812-L6-TB
Q106	405 015 8704	TR 2SC2812-L6-TB
Q107	405 015 8704	TR 2SC2812-L6-TB
Q108	405 015 8704	TR 2SC2812-L6-TB
Q109	405 015 8704	TR 2SC2812-L6-TB
Q111	405 015 8704	TR 2SC2812-L6-TB
Q112	405 015 8704	TR 2SC2812-L6-TB
Q301	405 015 8704	TR 2SC2812-L6-TB
Q302	405 002 6706	TR 2SA1179-M6-TB
Q303	405 015 8704	TR 2SC2812-L6-TB
Q308	405 015 8704	TR 2SC2812-L6-TB
Q309	405 002 6706	TR 2SA1179-M6-TB
Q310	405 002 6706	TR 2SA1179-M6-TB
Q311	405 002 6706	TR 2SA1179-M6-TB
Q312	405 002 6706	TR 2SA1179-M6-TB
Q313	405 002 6706	TR 2SA1179-M6-TB
Q314	405 015 8704	TR 2SC2812-L6-TB
Q403	405 002 6706	TR 2SA1179-M6-TB
Q6603	405 015 8704	TR 2SC2812-L6-TB
Q6604	405 015 8704	TR 2SC2812-L6-TB
Q6851	405 002 6706	TR 2SA1179-M6-TB
Q6852	405 015 8704	TR 2SC2812-L6-TB
Q6853	405 015 8704	TR 2SC2812-L6-TB
Q6854	405 015 8704	TR 2SC2812-L6-TB
Q801	405 015 8704	TR 2SC2812-L6-TB
Q806	405 015 8704	TR 2SC2812-L6-TB
Q807	405 015 8704	TR 2SC2812-L6-TB
INTEGRATED CIRCUIT		
IC004	409 111 9306	IC LA7213
IC005	409 202 3008	IC MC74HC14AF
IC053	409 202 3008	IC MC74HC14AF
IC1001	409 415 6209	IC UGL-352KNT
IC1002	409 146 7209	IC LA7222
IC101	409 222 5709	IC MC14052BF
	409 051 2702	IC TC4052BF-TP1
IC102	409 073 1509	IC AN5265
IC301	409 346 1106	IC TDA9160A/N3
IC303	409 291 0605	IC TDA4661/V2
IC401	409 346 0703	IC MC14577CFL1
IC402	409 051 2900	IC TC4053BF-TP1
IC6602	409 343 5107	IC PQ15RF15
IC6603	409 365 2900	IC BA178M12T
IC6606	409 050 1706	IC TA79L005P
IC6607	409 241 5407	IC BA178M05T
IC6608	409 365 2801	IC BA178M08T
IC801	410 312 3505	IC M37204M8-C20SP
IC804	409 199 4705	IC MC14066BFL
	409 051 3402	IC TC4066BF-TP1
IC806	409 243 4200	IC MN1380-R
IC807	409 383 6805	IC 24LC08B/P
	409 296 9207	IC X24C08P
CAPACITOR		
C001	403 069 9500	CERAMIC 0.01U Z 50V
C002	403 135 5009	ELECT 47U M 10V
C021	403 125 5606	ELECT 100U M 16V
C022	403 056 7304	POLYESTER 1000P J 50V
C023	403 086 0108	NP-ELECT 4.7U M 25V
C025	403 134 9602	ELECT 47U M 16V
C028	403 056 7304	POLYESTER 1000P J 50V
C029	403 061 1601	POLYESTER 3900P J 50V
C031	403 067 7805	MT-COMPO 0.47U J 50V
C033	403 069 9500	CERAMIC 0.01U Z 50V
C076	403 011 4904	CERAMIC 120P J 50V
C078	403 069 9500	CERAMIC 0.01U Z 50V
C1001	403 069 9500	CERAMIC 0.01U Z 50V
C1002	403 125 5606	ELECT 100U M 16V
C1003	403 026 3008	CERAMIC 47P J 50V
C1004	403 239 5301	CERAMIC 160P J 50V
C1006	403 069 9500	CERAMIC 0.01U Z 50V
C1007	403 069 9500	CERAMIC 0.01U Z 50V
C101	403 121 3408	ELECT 2.2U M 50V
C1010	403 121 2609	ELECT 220U M 16V
C1011	403 069 9500	CERAMIC 0.01U Z 50V
C1012	403 069 9500	CERAMIC 0.01U Z 50V
C1013	403 134 9602	ELECT 47U M 16V
C1014	403 155 9209	NP-ELECT 22U M 16V
C1017	403 069 9500	CERAMIC 0.01U Z 50V
C102	403 121 3408	ELECT 2.2U M 50V
C103	403 107 9905	ELECT 10U M 16V
C104	403 069 9500	CERAMIC 0.01U Z 50V
C106	403 107 9905	ELECT 10U M 16V
C107	403 121 3408	ELECT 2.2U M 50V
C108	403 121 3408	ELECT 2.2U M 50V
C111	403 085 4008	NP-ELECT 10U M 16V
C112	403 085 4008	NP-ELECT 10U M 16V
C1120	403 069 9500	CERAMIC 0.01U Z 50V
C113	403 069 1702	CERAMIC 1000P K 50V
C114	403 085 4008	NP-ELECT 10U M 16V
C117	403 069 9500	CERAMIC 0.01U Z 50V
C118	403 134 5802	ELECT 470U M 16V
C119	403 109 6308	ELECT 1U M 50V
C121	403 109 6308	ELECT 1U M 50V
C122	403 109 6407	ELECT 10U M 50V
C123	403 109 6407	ELECT 10U M 50V
C124	403 067 7706	MT-COMPO 0.047U J 50V
C126	403 218 8101	ELECT 1000U M 25V
C127	403 111 8604	ELECT 470U M 25V
C128	403 107 9905	ELECT 10U M 16V
C129	403 107 9905	ELECT 10U M 16V
C2020	403 121 2609	ELECT 220U M 16V
C301	403 067 5603	MT-COMPO 0.1U J 50V
C302	403 086 2300	NP-ELECT 1U M 50V

Ref. No.	Part No.	Description
C303	403 111 0905	NP-ELECT 2.2U M 50V
C304	403 067 7805	MT-COMPO 0.47U J 50V
C306	403 192 5905	CERAMIC 0.1U K 25V
C307	403 060 6300	POLYESTER 3300P K 50V
C308	403 067 5603	MT-COMPO 0.1U J 50V
C309	403 014 3607	CERAMIC 18P J 50V
C313	403 012 7003	CERAMIC 15P J 50V
C314	403 060 6300	POLYESTER 3300P K 50V
C315	403 192 5905	CERAMIC 0.1U K 25V
C316	403 067 7805	MT-COMPO 0.47U J 50V
C317	403 121 2609	ELECT 220U M 16V
C318	403 121 2609	ELECT 220U M 16V
C319	403 069 9500	CERAMIC 0.01U Z 50V
C321	403 192 5905	CERAMIC 0.1U K 25V
C322	403 192 5905	CERAMIC 0.1U K 25V
C327	403 192 5905	CERAMIC 0.1U K 25V
C328	403 192 5905	CERAMIC 0.1U K 25V
C329	403 125 5606	ELECT 100U M 16V
C331	403 069 9500	CERAMIC 0.01U Z 50V
C332	403 069 9500	CERAMIC 0.01U Z 50V
C333	403 125 5606	ELECT 100U M 16V
C341	403 033 4500	CERAMIC 82P J 50V
C342	403 011 4904	CERAMIC 120P J 50V
C343	403 033 4500	CERAMIC 82P J 50V
C344	403 011 4904	CERAMIC 120P J 50V
C346	403 069 9500	CERAMIC 0.01U Z 50V
C347	403 069 9500	CERAMIC 0.01U Z 50V
C348	403 069 9500	CERAMIC 0.01U Z 50V
C401	403 155 9209	NP-ELECT 22U M 16V
C402	403 121 2609	ELECT 220U M 16V
C403	403 121 2609	ELECT 220U M 16V
C404	403 235 8405	CERAMIC 150P J 50V
C405	403 069 9500	CERAMIC 0.01U Z 50V
C414	403 235 8405	CERAMIC 150P J 50V
C415	403 069 9500	CERAMIC 0.01U Z 50V
C420	403 134 9602	ELECT 47U M 16V
C421	403 069 9500	CERAMIC 0.01U Z 50V
C422	403 069 9500	CERAMIC 0.01U Z 50V
C423	403 069 9500	CERAMIC 0.01U Z 50V
C424	403 069 9500	CERAMIC 0.01U Z 50V
C6602	403 121 2302	ELECT 470U M 10V
C6603	403 069 9500	CERAMIC 0.01U Z 50V
C6604	403 107 9509	ELECT 100U M 10V
C6606	403 069 9500	CERAMIC 0.01U Z 50V
C6607	403 107 9509	ELECT 100U M 10V
C6608	403 069 9500	CERAMIC 0.01U Z 50V
C6609	403 107 9509	ELECT 100U M 10V
C6611	403 069 9500	CERAMIC 0.01U Z 50V
C6616	403 069 9500	CERAMIC 0.01U Z 50V
C6617	403 109 5707	ELECT 220U M 25V
C6618	403 069 9500	CERAMIC 0.01U Z 50V
C6619	403 109 5608	ELECT 100U M 25V
C6620	403 069 9500	CERAMIC 0.01U Z 50V
C6621	403 069 9500	CERAMIC 0.01U Z 50V
C6622	403 109 5608	ELECT 100U M 25V
C6623	403 069 9500	CERAMIC 0.01U Z 50V
C6631	403 069 9500	CERAMIC 0.01U Z 50V
C6632	403 134 5802	ELECT 470U M 16V
C6633	403 069 9500	CERAMIC 0.01U Z 50V
C6642	403 109 5707	ELECT 220U M 25V
C6643	403 069 9500	CERAMIC 0.01U Z 50V
C6645	403 109 6407	ELECT 10U M 50V
C6646	403 134 9602	ELECT 47U M 16V
C6647	403 069 9500	CERAMIC 0.01U Z 50V
C6651	403 069 9500	CERAMIC 0.01U Z 50V
C6652	403 107 9509	ELECT 100U M 10V
C6653	403 069 9500	CERAMIC 0.01U Z 50V
C6658	403 107 9509	ELECT 100U M 10V
C6659	403 069 9500	CERAMIC 0.01U Z 50V
C6661	403 069 9500	CERAMIC 0.01U Z 50V
C6662	403 069 9500	CERAMIC 0.01U Z 50V
C6663	403 134 9602	ELECT 47U M 16V
C6851	403 070 2606	CERAMIC 0.1U Z 50V
C6852	403 070 2606	CERAMIC 0.1U Z 50V
C801	403 121 3002	ELECT 4.7U M 25V
C802	403 121 3002	ELECT 4.7U M 25V
C803	403 192 5905	CERAMIC 0.1U K 25V
C804	403 192 5905	CERAMIC 0.1U K 25V
C809	403 069 9500	CERAMIC 0.01U Z 50V
C810	403 069 9500	CERAMIC 0.01U Z 50V
C811	403 107 9905	ELECT 10U M 16V
C812	403 069 9500	CERAMIC 0.01U Z 50V
C813	403 192 5905	CERAMIC 0.1U K 25V
C814	403 134 5505	ELECT 10U M 25V
C821	403 121 3408	ELECT 2.2U M 50V
C822	403 069 9500	CERAMIC 0.01U Z 50V
C827	403 009 5708	CERAMIC 100P J 50V
C830	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R030	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R031	401 037 5608	MT-GLAZE 10K JA 1/10W
R032	401 037 5608	MT-GLAZE 10K JA 1/10W
R033	401 038 3504	MT-GLAZE 330 JA 1/10W
R034	401 038 0602	MT-GLAZE 220 JA 1/10W
R035	401 038 2309	MT-GLAZE 270K JA 1/10W
R036	401 037 5608	MT-GLAZE 10K JA 1/10W
R037	401 038 6307	MT-GLAZE 470 JA 1/10W
R038	401 037 8005	MT-GLAZE 15K JA 1/10W
R039	401 037 5400	MT-GLAZE 1K JA 1/10W
R040	401 038 2309	MT-GLAZE 270K JA 1/10W
R041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R042	401 038 6307	MT-GLAZE 470 JA 1/10W
R043	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R044	401 038 6307	MT-GLAZE 470 JA 1/10W
R045	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R046	401 037 5806	MT-GLAZE 1M JA 1/10W
R047	401 037 5608	MT-GLAZE 10K JA 1/10W
R048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R074	401 038 3504	MT-GLAZE 330 JA 1/10W
R080	401 037 5608	MT-GLAZE 10K JA 1/10W
R081	401 037 5608	MT-GLAZE 10K JA 1/10W
R100	401 037 5400	MT-GLAZE 1K JA 1/10W
R1001	401 037 5608	MT-GLAZE 10K JA 1/10W
R1002	401 037 5608	MT-GLAZE 10K JA 1/10W
R1004	401 038 9001	MT-GLAZE 680 JA 1/10W
R1005	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R1006	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R1007	401 037 5400	MT-GLAZE 1K JA 1/10W
R1008	401 037 5400	MT-GLAZE 1K JA 1/10W

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
R1009	401 038 7601	MT-GLAZE 560 JA 1/10W	R327	401 038 5300	MT-GLAZE 39K JA 1/10W
R101	401 037 5707	MT-GLAZE 100K JA 1/10W	R328	401 094 1902	MT-GLAZE 10M JA 1/10W
R1011	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R330	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1017	401 038 2903	MT-GLAZE 300 JA 1/10W	R333	401 038 0602	MT-GLAZE 220 JA 1/10W
R102	401 037 5707	MT-GLAZE 100K JA 1/10W	R334	401 038 0602	MT-GLAZE 220 JA 1/10W
R1023	401 038 2903	MT-GLAZE 300 JA 1/10W	R335	401 038 0602	MT-GLAZE 220 JA 1/10W
R103	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R336	401 038 0602	MT-GLAZE 220 JA 1/10W
R104	401 038 3603	MT-GLAZE 3.3K JA 1/10W	R337	401 038 0602	MT-GLAZE 220 JA 1/10W
R106	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R338	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R107	401 037 5707	MT-GLAZE 100K JA 1/10W	R339	401 038 0602	MT-GLAZE 220 JA 1/10W
R108	401 037 5707	MT-GLAZE 100K JA 1/10W	R340	401 038 0602	MT-GLAZE 220 JA 1/10W
R109	401 037 8005	MT-GLAZE 15K JA 1/10W	R341	401 038 0602	MT-GLAZE 220 JA 1/10W
R111	401 037 5707	MT-GLAZE 100K JA 1/10W	R342	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R112	401 037 5707	MT-GLAZE 100K JA 1/10W	R343	401 038 0602	MT-GLAZE 220 JA 1/10W
R113	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R346	401 038 7502	MT-GLAZE 56 JA 1/10W
R114	401 038 7809	MT-GLAZE 56K JA 1/10W	R347	401 038 0602	MT-GLAZE 220 JA 1/10W
R116	401 037 5707	MT-GLAZE 100K JA 1/10W	R348	401 038 5003	MT-GLAZE 390 JA 1/10W
R117	401 037 5707	MT-GLAZE 100K JA 1/10W	R349	401 038 7502	MT-GLAZE 56 JA 1/10W
R118	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R351	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1186	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R401	401 037 7305	MT-GLAZE 1.3K JA 1/10W
R119	401 038 7809	MT-GLAZE 56K JA 1/10W	R402	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R121	401 037 8005	MT-GLAZE 15K JA 1/10W	R403	401 037 5608	MT-GLAZE 10K JA 1/10W
R122	401 038 5102	MT-GLAZE 3.9K JA 1/10W	R404	401 037 5608	MT-GLAZE 10K JA 1/10W
R123	401 039 0304	MT-GLAZE 820 JA 1/10W	R411	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R134	401 037 5608	MT-GLAZE 10K JA 1/10W	R412	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R136	401 037 5608	MT-GLAZE 10K JA 1/10W	R413	401 037 5608	MT-GLAZE 10K JA 1/10W
R137	401 038 7700	MT-GLAZE 5.6K JA 1/10W	R414	401 037 5608	MT-GLAZE 10K JA 1/10W
R138	401 038 9308	MT-GLAZE 68K JA 1/10W	R420	401 037 5608	MT-GLAZE 10K JA 1/10W
R139	401 038 9001	MT-GLAZE 680 JA 1/10W	R435	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R141	401 037 8005	MT-GLAZE 15K JA 1/10W	R437	401 037 6209	MT-GLAZE 11K JA 1/10W
R142	401 068 1600	OXIDE-MT 4.7 JA 2W	R438	401 039 1004	MT-GLAZE 9.1K JA 1/10W
R143	401 068 1600	OXIDE-MT 4.7 JA 2W	R439	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R144	401 059 2807	OXIDE-MT 150 JA 1W	R6607	401 038 9506	MT-GLAZE 75 JA 1/10W
R146	401 037 5608	MT-GLAZE 10K JA 1/10W	R6611	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R151	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R6613	401 038 0800	MT-GLAZE 22K JA 1/10W
R152	401 038 9001	MT-GLAZE 680 JA 1/10W	R6614	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R153	401 037 5707	MT-GLAZE 100K JA 1/10W	R6616	401 064 6302	OXIDE-MT 10 JA 2W
R154	401 037 5202	MT-GLAZE 100 JA 1/10W	R6623	401 067 8204	OXIDE-MT 39 JA 2W
R155	401 037 5400	MT-GLAZE 1K JA 1/10W	R6676	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R161	401 038 0701	MT-GLAZE 2.2K JA 1/10W	R6677	401 037 6803	MT-GLAZE 12K JA 1/10W
R162	401 038 9001	MT-GLAZE 680 JA 1/10W	R6678	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R163	401 037 5707	MT-GLAZE 100K JA 1/10W	R6679	401 038 5003	MT-GLAZE 390 JA 1/10W
R164	401 037 5202	MT-GLAZE 100 JA 1/10W	R6681	401 038 0602	MT-GLAZE 220 JA 1/10W
R171	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6682	401 037 5400	MT-GLAZE 1K JA 1/10W
R172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6683	401 037 5400	MT-GLAZE 1K JA 1/10W
R301	401 037 5400	MT-GLAZE 1K JA 1/10W	R6684	401 037 5608	MT-GLAZE 10K JA 1/10W
R302	401 037 5400	MT-GLAZE 1K JA 1/10W	R6685	401 038 0602	MT-GLAZE 220 JA 1/10W
R303	401 037 5400	MT-GLAZE 1K JA 1/10W	R6686	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R306	401 037 5400	MT-GLAZE 1K JA 1/10W	R6687	401 037 5608	MT-GLAZE 10K JA 1/10W
R307	401 038 9803	MT-GLAZE 75K JA 1/10W	R6688	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R311	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6689	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R312	401 037 8005	MT-GLAZE 15K JA 1/10W	R6691	401 037 5608	MT-GLAZE 10K JA 1/10W
R316	401 038 6307	MT-GLAZE 470 JA 1/10W	R6692A	610 012 3991	JUNPER LEAD
R317	401 038 3504	MT-GLAZE 330 JA 1/10W	R6851	401 038 3207	MT-GLAZE 300K JA 1/10W
R318	401 038 7106	MT-GLAZE 510 JA 1/10W	R6852	401 037 5608	MT-GLAZE 10K JA 1/10W
R319	401 038 7502	MT-GLAZE 56 JA 1/10W	R6853	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R321	401 038 6307	MT-GLAZE 470 JA 1/10W	R6854	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R322	401 038 6307	MT-GLAZE 470 JA 1/10W	R6856	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R323	401 038 6604	MT-GLAZE 470K JA 1/10W	R6857	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R326	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R6858	401 037 5400	MT-GLAZE 1K JA 1/10W

Ref. No.	Part No.	Description
R6859	401 037 5608	MT-GLAZE 10K JA 1/10W
R6861	401 038 2309	MT-GLAZE 270K JA 1/10W
R6862	401 038 2200	MT-GLAZE 27K JA 1/10W
R6863	401 037 5608	MT-GLAZE 10K JA 1/10W
R6864	401 038 7700	MT-GLAZE 5. 6K JA 1/10W
R6866	401 038 3603	MT-GLAZE 3. 3K JA 1/10W
R6867	401 038 0701	MT-GLAZE 2. 2K JA 1/10W
R6868	401 037 9200	MT-GLAZE 1. 8K JA 1/10W
R6869	401 037 5400	MT-GLAZE 1K JA 1/10W
R6871	401 037 5608	MT-GLAZE 10K JA 1/10W
R801	401 037 5202	MT-GLAZE 100 JA 1/10W
R802	401 038 3504	MT-GLAZE 330 JA 1/10W
R803	401 037 5608	MT-GLAZE 10K JA 1/10W
R805	401 038 6307	MT-GLAZE 470 JA 1/10W
R806	401 037 5608	MT-GLAZE 10K JA 1/10W
R809	401 037 5400	MT-GLAZE 1K JA 1/10W
R811	401 037 8005	MT-GLAZE 15K JA 1/10W
R812	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R813	401 037 5400	MT-GLAZE 1K JA 1/10W
R814	401 037 5202	MT-GLAZE 100 JA 1/10W
R818	401 037 5608	MT-GLAZE 10K JA 1/10W
R819	401 037 5608	MT-GLAZE 10K JA 1/10W
R821	401 037 5608	MT-GLAZE 10K JA 1/10W
R822	401 037 5608	MT-GLAZE 10K JA 1/10W
R823	401 037 6803	MT-GLAZE 12K JA 1/10W
R824	401 037 9408	MT-GLAZE 180K JA 1/10W
R826	401 038 2200	MT-GLAZE 27K JA 1/10W
R827	401 037 5608	MT-GLAZE 10K JA 1/10W
R847	401 037 5608	MT-GLAZE 10K JA 1/10W
R849	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R851	401 037 5400	MT-GLAZE 1K JA 1/10W
R852	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R853	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R854	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R856	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R857	401 037 5608	MT-GLAZE 10K JA 1/10W
R858	401 037 5608	MT-GLAZE 10K JA 1/10W
R859	401 037 9309	MT-GLAZE 18K JA 1/10W
R860	401 038 2101	MT-GLAZE 2. 7K JA 1/10W
R868	401 037 5202	MT-GLAZE 100 JA 1/10W
R871	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R872	401 038 9308	MT-GLAZE 68K JA 1/10W
R880	401 037 5202	MT-GLAZE 100 JA 1/10W
R883	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
R885	401 037 5707	MT-GLAZE 100K JA 1/10W
R891	401 037 5608	MT-GLAZE 10K JA 1/10W
R892	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R893	401 037 5608	MT-GLAZE 10K JA 1/10W
R894	401 038 6406	MT-GLAZE 4. 7K JA 1/10W
R896	401 037 5608	MT-GLAZE 10K JA 1/10W
R897	401 038 7601	MT-GLAZE 560 JA 1/10W
R898	401 037 5400	MT-GLAZE 1K JA 1/10W
R899	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
COIL		
L026	401 037 5004	MT-GLAZE 0. 000 ZA 1/10W
L1001	645 003 6910	INDUCTOR, 10U J
L1002	645 003 6965	INDUCTOR, 120U K
L802	610 012 3991	JUNPER LEAD
L803	645 003 6910	INDUCTOR, 10U J

Ref. No.	Part No.	Description
L804	645 008 2016	INDUCTOR, 100U J
L810	645 008 2016	INDUCTOR, 100U J
DIODE		
D011	407 004 8009	DIODE DSB015-TB
D066	407 071 7202	ZENER DIODE DZD6. 2X-TA
	407 071 7301	ZENER DIODE DZD6. 2Y-TA
	407 071 7400	ZENER DIODE DZD6. 2Z-TA
	407 175 3704	ZD 02CZ6. 2X(TE85R)
	407 175 3803	ZD 02CZ6. 2Y(TE85R)
	407 175 3902	ZD 02CZ6. 2Z(TE85R)
D067	407 071 7202	ZENER DIODE DZD6. 2X-TA
	407 071 7301	ZENER DIODE DZD6. 2Y-TA
	407 071 7400	ZENER DIODE DZD6. 2Z-TA
	407 175 3704	ZD 02CZ6. 2X(TE85R)
	407 175 3803	ZD 02CZ6. 2Y(TE85R)
	407 175 3902	ZD 02CZ6. 2Z(TE85R)
D1001	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1002	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1006	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D1009	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 071 1002	ZENER DIODE DZD15Z-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
	407 198 7406	ZD 02CZ15Z(TE85R)
D101	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D102	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D103	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D104	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D108	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA

Ref. No.	Part No.	Description
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D109	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D111	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D112	407 004 8009	DIODE DSB015-TB
D113	407 004 8009	DIODE DSB015-TB
D116	407 004 8009	DIODE DSB015-TB
D117	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1173	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D121	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D122	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
	407 199 6200	ZD 02CZ12X(TE85R)
	407 175 2806	ZD 02CZ12Y(TE85R)
	407 175 2905	ZD 02CZ12Z(TE85R)
D301	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D302	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D303	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D306	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D311	407 071 6502	ZENER DIODE DZD5.1Y-TA
	407 175 3407	ZD 02CZ5.1Y(TE85R)
D401	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D402	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D403	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
	407 190 6100	ZD 02CZ9.1X(TE85R)
	407 190 6209	ZD 02CZ9.1Y(TE85R)
D6611	407 004 8009	DIODE DSB015-TB
D6612	407 004 8009	DIODE DSB015-TB
D6613	407 004 8009	DIODE DSB015-TB
D6615	407 071 3709	ZENER DIODE DZD22Y-TA
	407 198 8908	ZD 02CZ22Y(TE85R)
D6616	407 071 3709	ZENER DIODE DZD22Y-TA
	407 198 8908	ZD 02CZ22Y(TE85R)
D6617	407 004 8009	DIODE DSB015-TB
D6619	407 004 8009	DIODE DSB015-TB
D6621	407 004 8009	DIODE DSB015-TB
D6851	407 108 3405	LED SLP-477B-51
D6851A	610 249 1647	HOLDER LED-S-S2AS
D6852	407 110 8801	LED SLP-177B-51
D6852A	610 249 1647	HOLDER LED-S-S2AS
D6853	407 098 7001	LED SLP-277B-51
D6853A	610 249 1647	HOLDER LED-S-S2AS
D6854	407 110 8801	LED SLP-177B-51
D6854A	610 249 1647	HOLDER LED-S-S2AS
D6856	407 004 8009	DIODE DSB015-TB
D801	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D802	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3704	ZD 02CZ6.2X(TE85R)
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D803	407 004 8009	DIODE DSB015-TB
MISCELLANEOUS		
IC1001A	645 027 7122	PLUG, 5P
IC102A	610 245 1979	AUDIO HEATSINK-E2KA
IC102B	411 003 8908	SCR PAN+SW 3X6
IC102C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6603A	610 247 2677	HEAT SINK-S7VA
IC6603B	610 014 5818	WASHER
IC6603C	411 045 2209	SCR PAN+SW 3X10
IC6603D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6607A	610 247 2677	HEAT SINK-S7VA
IC6607B	610 014 5818	WASHER
IC6607C	411 045 2209	SCR PAN+SW 3X10
IC6607D	411 004 4404	NUT HEX 3

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
	411 054 7509	NUT HEX 3			
IC6608A	610 247 2677	HEAT SINK-S7VA			
IC6608B	610 014 5818	WASHER			
IC6608C	411 045 2209	SCR PAN+SW 3X10			
IC6608D	411 004 4404	NUT HEX 3			
	411 054 7509	NUT HEX 3			
IC801A	610 237 0997	IC SOCKET			
K8A	645 005 8394	SOCKET, 9P			
K8B	645 004 2898	PLUG, 3P			
K8C	645 000 2700	SOCKET, 17P			
K8D	645 000 2694	SOCKET, 19P			
K8G	645 004 2911	PLUG, 5P			
K8H	645 004 2904	PLUG, 4P			
K8I	645 004 2928	PLUG, 6P			
K8J	645 004 2911	PLUG, 5P			
K8K	645 004 2904	PLUG, 4P			
K8L	645 004 2898	PLUG, 3P			
K8M	645 004 2935	PLUG, 7P			
K8N	645 004 2898	PLUG, 3P			
K8O	645 004 2904	PLUG, 4P			
K8P	645 004 2911	PLUG, 5P			
K8Q	645 004 2898	PLUG, 3P			
K8R	645 004 2904	PLUG, 4P			
K8S	645 004 2898	PLUG, 3P			
K8TS	610 009 7919	SOCKET-2P			
K8TS1	610 010 0862	TERMINAL PLUG			
K8TS2	610 010 0862	TERMINAL PLUG			
K8TTB	645 004 5387	FIXER CABLE TIES, L100			
K8U	645 004 2942	PLUG, 8P			
K8V	645 004 2935	PLUG, 7P			
K8W	645 004 2898	PLUG, 3P			
K8Z	645 004 2898	PLUG, 3P			
K9TS	610 009 7797	SOCKET, 2P			
K9TS1	610 009 5984	TERMINAL			
K9TS2	610 009 5984	TERMINAL			
△PC801	408 016 8803	PC PC113 (VDE0884)			
△PC802	408 016 8803	PC PC113 (VDE0884)			
SW6851	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6852	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6853	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6854	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6856	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6857	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6858	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6859	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6861	645 003 4701	SWITCH, PUSH 1P-1TX1			
SW6862	645 003 4701	SWITCH, PUSH 1P-1TX1			
W004	610 012 5926	TERMINAL			
X052	645 006 3343	FILTER, EMI 10000PF			
X101	645 006 3350	FILTER, EMI 2200PF			
X102	645 006 3350	FILTER, EMI 2200PF			
X301	610 239 3347	CRYSTAL OSCILLATOR			
X304	610 240 5408	CRYSTAL OSCILLATOR			
X6601	645 006 3343	FILTER, EMI 10000PF			
X6602	645 006 3343	FILTER, EMI 10000PF			
X6603	645 006 3343	FILTER, EMI 10000PF			
X801	645 000 3967	OSC, CERAMIC 6.00MHZ			
X803	610 012 3991	JUNPER LEAD			

610 270 2736 ASSY,PWB,AV P4FAA 1AA0B10C151BC

Ref. No.	Part No.	Description
TRANSISTOR		
Q1101	405 014 4509	TR 2SC2412K T146 R
	405 015 8704	TR 2SC2812-L6-TB
INTEGRATED CIRCUIT		
IC1101	409 211 7301	IC MC14053BFL
CAPACITOR		
C1101	403 069 9500	CERAMIC 0.01U Z 50V
C1102	403 163 8409	ELECT 47U M 16V
C1111	403 105 9501	CERAMIC 1000P J 50V
C1113	403 105 9501	CERAMIC 1000P J 50V
C1131	403 069 9500	CERAMIC 0.01U Z 50V
C1132	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R1101	401 037 7800	MT-GLAZE 150 JA 1/10W
R1102	401 037 7800	MT-GLAZE 150 JA 1/10W
R1103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1106	401 038 6604	MT-GLAZE 470K JA 1/10W
R1107	401 037 5400	MT-GLAZE 1K JA 1/10W
R1108	401 038 6604	MT-GLAZE 470K JA 1/10W
R1109	401 037 5400	MT-GLAZE 1K JA 1/10W
R1111	401 037 7800	MT-GLAZE 150 JA 1/10W
R1112	401 037 7800	MT-GLAZE 150 JA 1/10W
R1113	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1116	401 038 6604	MT-GLAZE 470K JA 1/10W
R1117	401 038 6604	MT-GLAZE 470K JA 1/10W
R1118	401 037 5608	MT-GLAZE 10K JA 1/10W
R1121	401 037 5608	MT-GLAZE 10K JA 1/10W
R1126	401 037 5400	MT-GLAZE 1K JA 1/10W
R1127	401 037 5400	MT-GLAZE 1K JA 1/10W
R1132	401 037 5400	MT-GLAZE 1K JA 1/10W
R1141	401 037 7800	MT-GLAZE 150 JA 1/10W
R1142	401 037 7800	MT-GLAZE 150 JA 1/10W
R1143	401 037 7800	MT-GLAZE 150 JA 1/10W
R1144	401 037 7800	MT-GLAZE 150 JA 1/10W
R1151	401 038 6604	MT-GLAZE 470K JA 1/10W
R1152	401 038 9506	MT-GLAZE 75 JA 1/10W
R1161	401 037 5202	MT-GLAZE 100 JA 1/10W
R1162	401 038 3801	MT-GLAZE 330K JA 1/10W
R1163	401 037 5400	MT-GLAZE 1K JA 1/10W
R1164	401 037 5608	MT-GLAZE 10K JA 1/10W
R1171	401 037 7800	MT-GLAZE 150 JA 1/10W
R1172	401 037 7800	MT-GLAZE 150 JA 1/10W
R1173	401 037 7800	MT-GLAZE 150 JA 1/10W
R1174	401 037 7800	MT-GLAZE 150 JA 1/10W
COIL		
L1111	645 026 1121	INDUCTOR, 10U K
L1112	645 026 1121	INDUCTOR, 10U K
L1113	645 026 1121	INDUCTOR, 10U K
DIODE		
D1101	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1102	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1106	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1107	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1111	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1112	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1116	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1117	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1121	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1122	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1126	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1127	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1131	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1132	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1133	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1134	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1136	407 071 7301	ZENER DIODE DZD6.2Y-TA

Ref. No.	Part No.	Description
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1146	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1147	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1148	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1149	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1151	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1152	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1153	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1154	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1156	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1157	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1158	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
	407 175 3001	ZD 02CZ15X(TE85R)
	407 189 6005	ZD 02CZ15Y(TE85R)
D1159	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1161	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1162	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1171	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1172	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1173	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
D1174	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
	407 175 3803	ZD 02CZ6.2Y(TE85R)
	407 175 3902	ZD 02CZ6.2Z(TE85R)
MISCELLANEOUS		
K11A	645 005 0244	TERMINAL, BOARD
K11B	645 000 3356	TERMINAL, BOARD
K11C	645 025 0170	JACK, RCA-3
K11E	645 011 4816	JACK, PHONE D3.6
K11F	645 009 8079	SOCKET, DC
K11G	645 000 2571	JACK, PHONE D8.0
K11H	645 026 7680	JACK, RCA-2
K11J	645 000 2663	PLUG, PWB-PWB 19P
K11K	645 000 2670	PLUG, PWB-PWB 17P
K11L	645 005 8073	PLUG, PWB-PWB 9P
SW1101	610 011 1790	SWITCH, PUSH
WA-4	610 262 4298	STAPLE-S5ME
X1101	645 025 0613	FILTER, EMI 45PF
X1102	645 025 0620	FILTER, EMI 85PF
X1104	645 025 0620	FILTER, EMI 85PF
X1106	645 025 0613	FILTER, EMI 45PF
X1107	645 025 0620	FILTER, EMI 85PF
X1108	645 025 0620	FILTER, EMI 85PF
X1111	645 025 0620	FILTER, EMI 85PF
X1114	645 025 0613	FILTER, EMI 45PF
X1116	645 025 0613	FILTER, EMI 45PF
X1121	645 025 0613	FILTER, EMI 45PF
X1122	645 025 0620	FILTER, EMI 85PF
X1123	645 025 0620	FILTER, EMI 85PF
X1126	645 006 3350	FILTER, EMI 2200PF
X1127	645 006 3350	FILTER, EMI 2200PF
X1128	645 006 3350	FILTER, EMI 2200PF
X1131	645 025 0613	FILTER, EMI 45PF
X1132	645 025 0613	FILTER, EMI 45PF
X1133	645 025 0613	FILTER, EMI 45PF
X1171	645 025 0613	FILTER, EMI 45PF
X1172	645 025 0613	FILTER, EMI 45PF

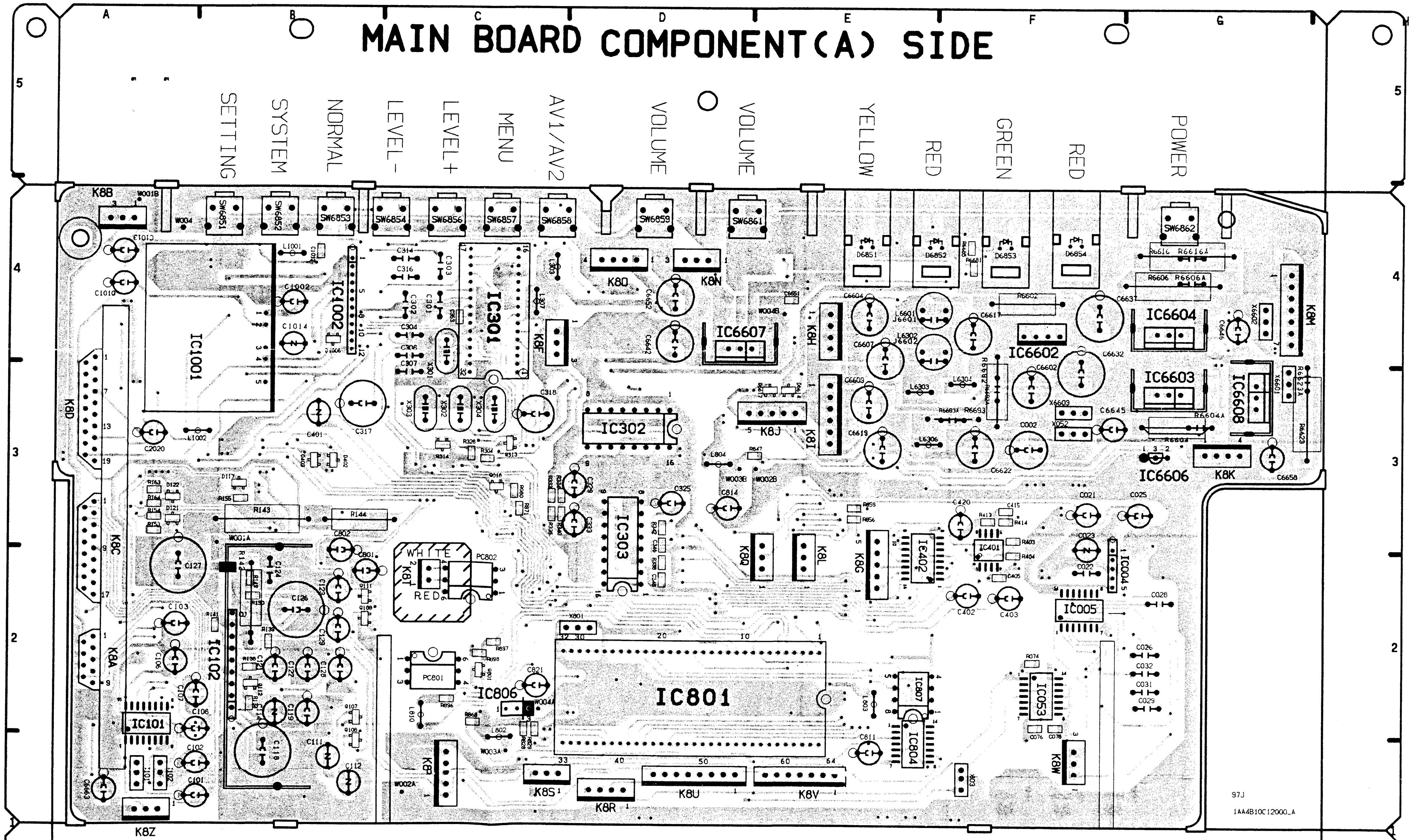
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
610 270 2699	**ASSY,PWB,PRE AMP M4FAA 1AA0B10C151AD**				
RESISTOR					
R1201	401 037 5202	MT-GLAZE 100 JA 1/10W			
DIODE					
D1201	407 071 7301	ZENER DIODE DZD6.2Y-TA			
	407 071 7400	ZENER DIODE DZD6.2Z-TA			
D1202	407 071 7301	ZENER DIODE DZD6.2Y-TA			
	407 071 7400	ZENER DIODE DZD6.2Z-TA			
MISCELLANEOUS					
AU1201	645 007 1546	UNIT, REMOCON RECEIVER			
	610 224 5806	RC PREAMP 409-1L			
K1201	645 004 2898	PLUG, 3P			

Revision 2

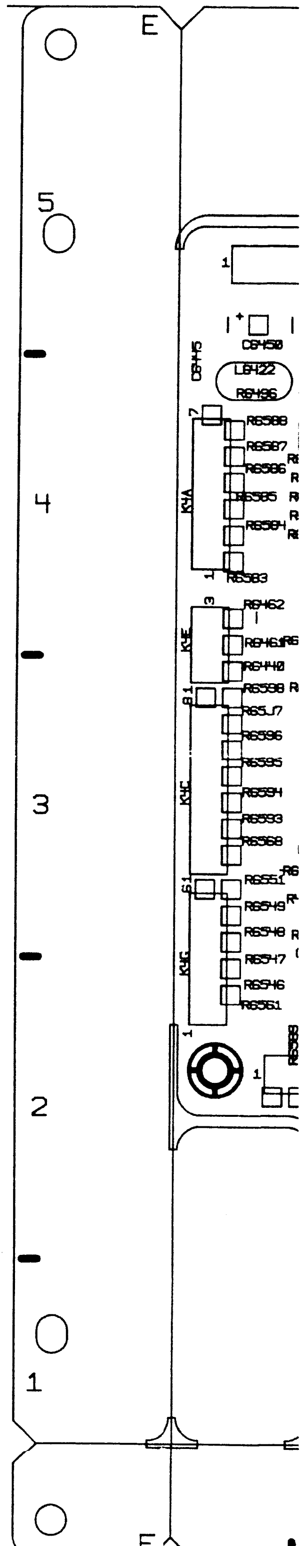
① MODEL PLV-20B/E
Service Ref. NO. PLV-20B-01 /20E-01

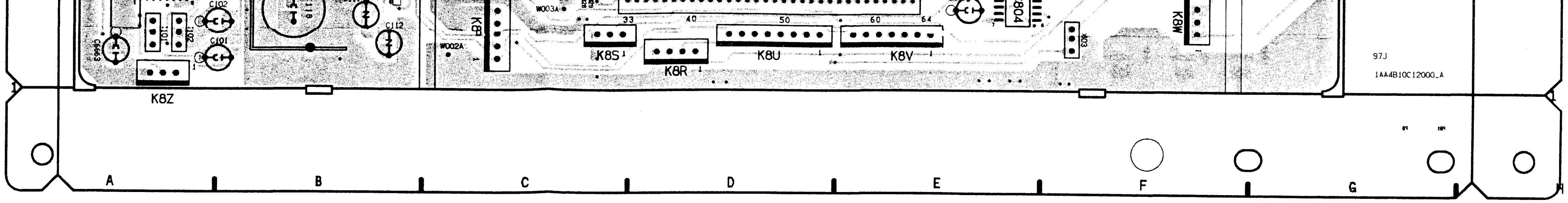
COMPONENT AND TESTPOINT LOCATIONS

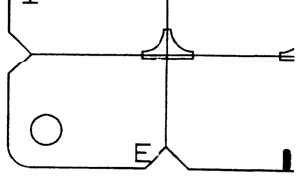
MAIN BOARD COMPONENT(A) SIDE


A
B
C
D
E
F
G
5
4
3
2
SETTING
SYSTEM
NORMAL
LEVEL-
LEVEL+
MENU
AV1/AV2
VOLUME
VOLUME
YELLOW
RED
GREEN
RED
POWER
K8B
SW6851
SW6852
SW6853
SW6854
SW6856
SW6857
SW6858
SW6859
SW6861
SW6862
D6851
D6852
D6853
D6854
IC1001
IC1002
IC301
IC302
IC303
IC6607
IC6602
IC6603
IC6604
IC6608
IC6606
K8O
K8N
K8F
K8H
K8I
K8J
K8K
K8M
K8D
K8C
K8A
K8Z
K8T
K8Q
K8L
K8G
IC402
IC401
IC004
IC005
IC101
IC102
PC801
PC802
IC806
IC801
IC807
IC804
IC053
K8P
K8S
K8R
K8U
K8V
K8W
WHITE
RED
C127
C126
C118
97J
1AA4B10C12000_A

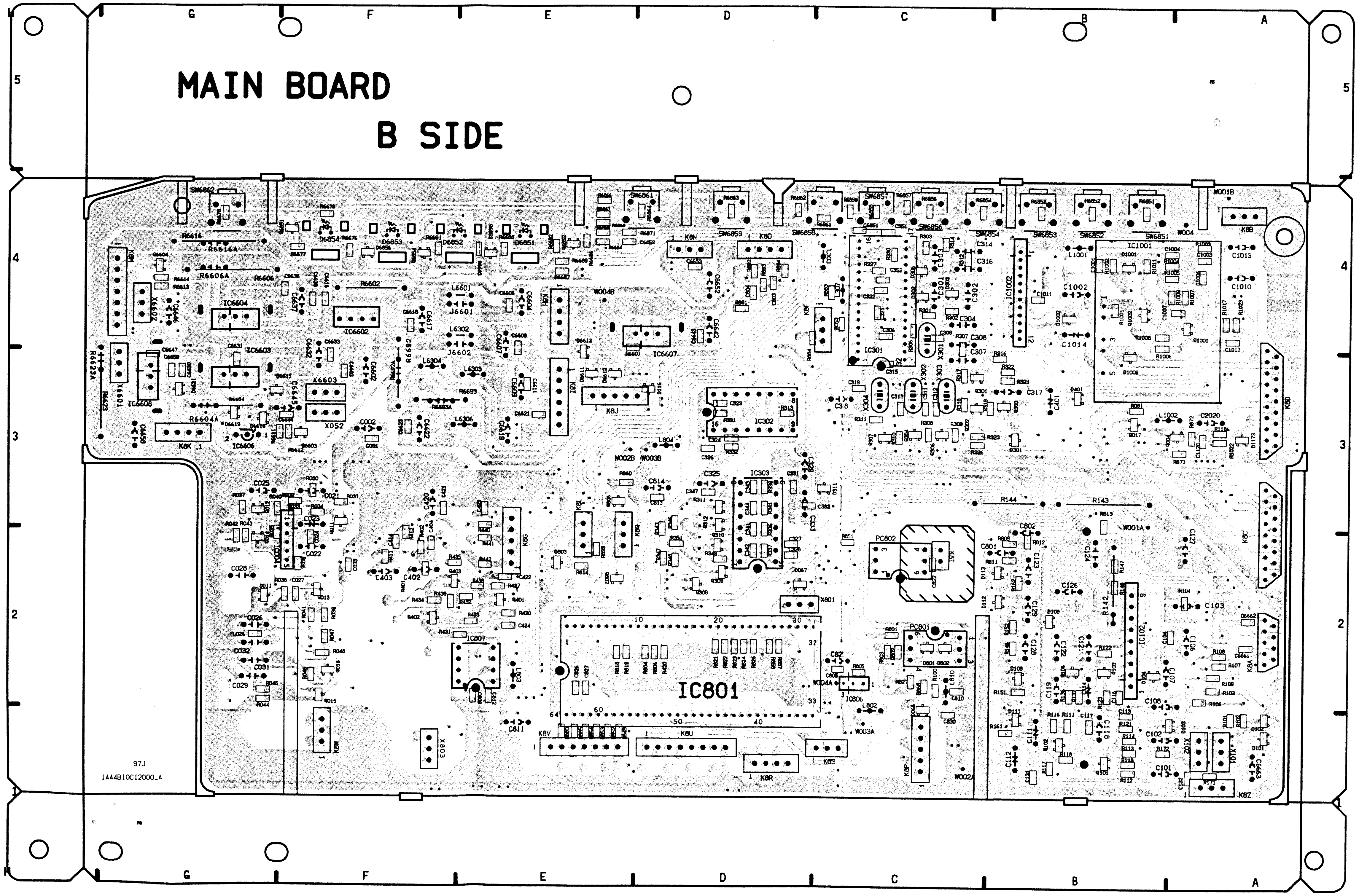
TM


E
5
4
3
2
1
K9A
K9E
K9C
K9G

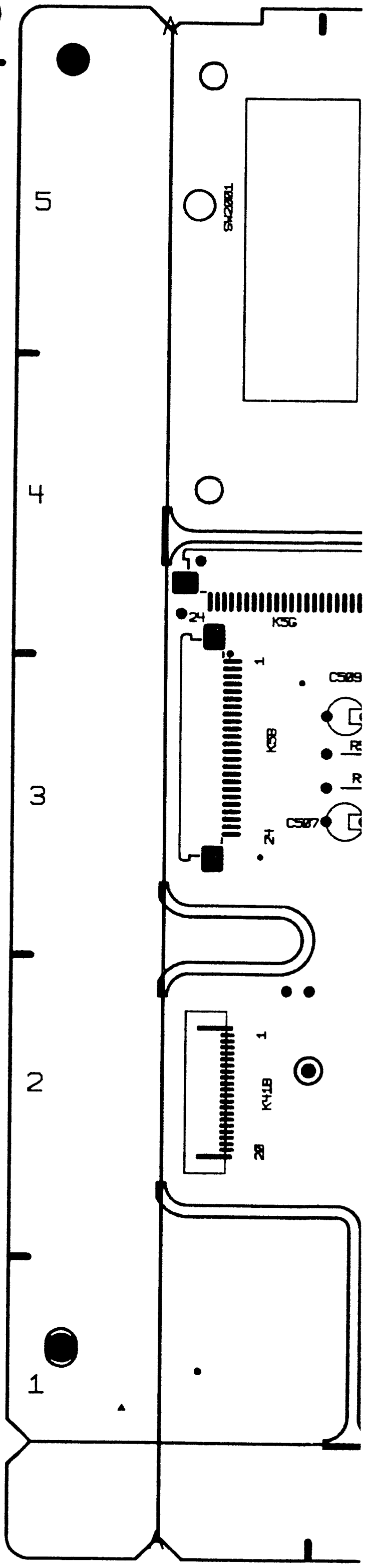

K8Z
K8T
K8S
K8R
K8U
K8V
K8W
W003A
W002A
97J
1AA4B10C12000_A
A
B
C
D
E
F
G



MAIN BOARD
B SIDE


G
F
E
D
C
B
A
5
4
3
2
1
IC801
IC6604
IC6603
IC6602
IC6606
IC6607
IC6608
IC301
IC302
IC303
IC1001
IC1002
IC102
IC806
IC807
PC801
PC802
K8K
K8J
K8V
K8U
K8R
K8Z
K8P
K8B
K8C
K8D
K8N
K8O
K8S
K8Q
X052
X801
X803
SW6862
SW6861
SW6859
SW6858
SW6857
SW6856
SW6854
SW6853
SW6852
SW6851
W001A
W001B
W002
W003A
W004
W004A
W004B
97J
1AA4B10C12000_A

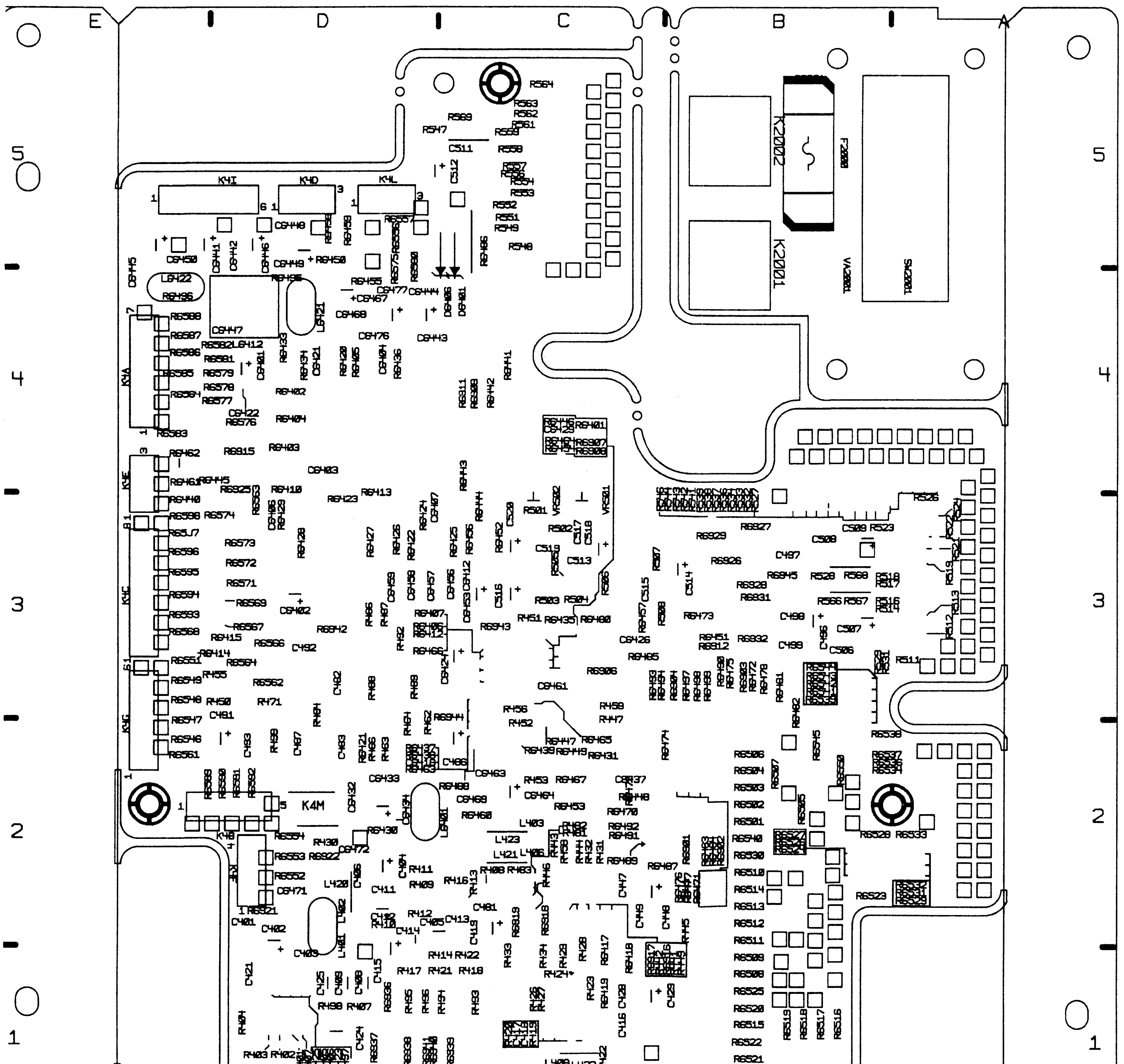
SUB POWER BOARD COMPONENT (A)SIDE


5
4
3
2
1
K5G
K5B
K41B
C509
C507
24
28

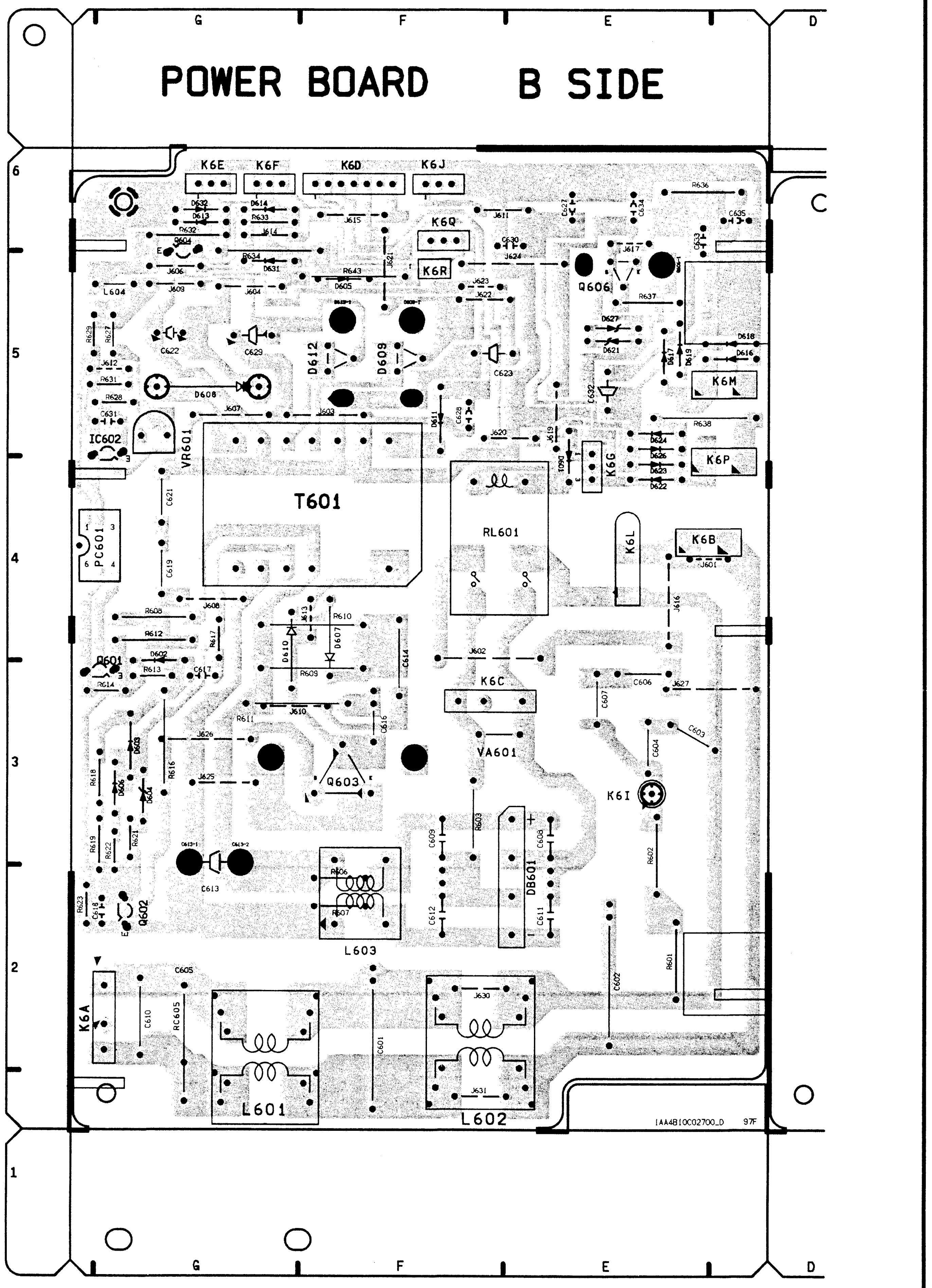
GJ_WAKU

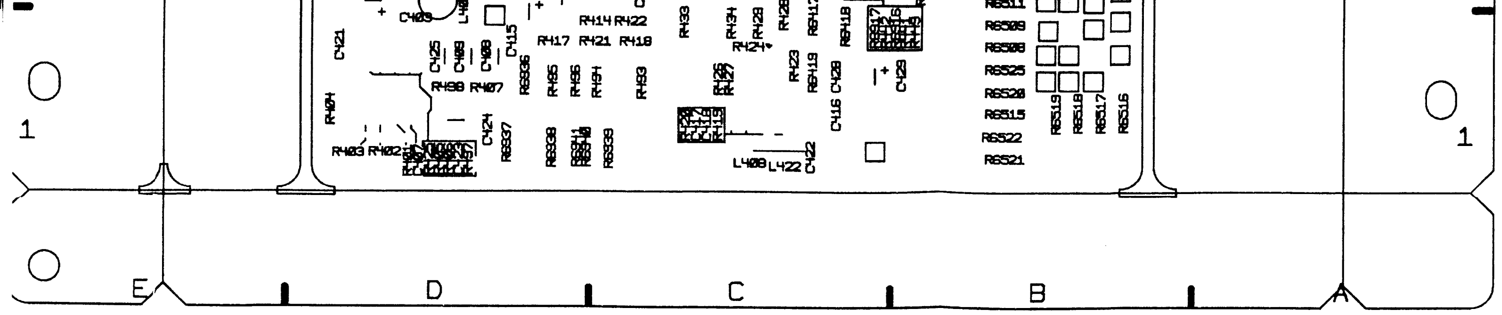
TM BOARD B SIDE

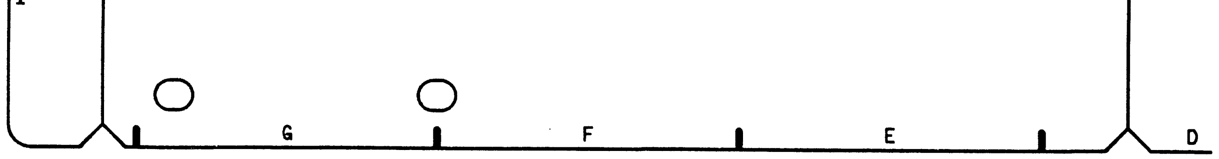
SUB POWER BOARD B SIDE


E
D
C
B
A
5
4
3
2
1
K4I
K4D
K4L
K4A
K4E
K4C
K4G
K4M
K2002
K2001
F2000
VA2001
SW2001
R564
R563
R562
R561
R569
R547
C511
C512
R558
R553
R552
R551
R549
R548
R526
R523
R511
R501
VR502
VR501
C508
C513
C313
C314
C497
C498
C499
R520
R566
R567
C506
C507
R546
R6538
R6528
R6533
R6523

POWER BOARD B SIDE

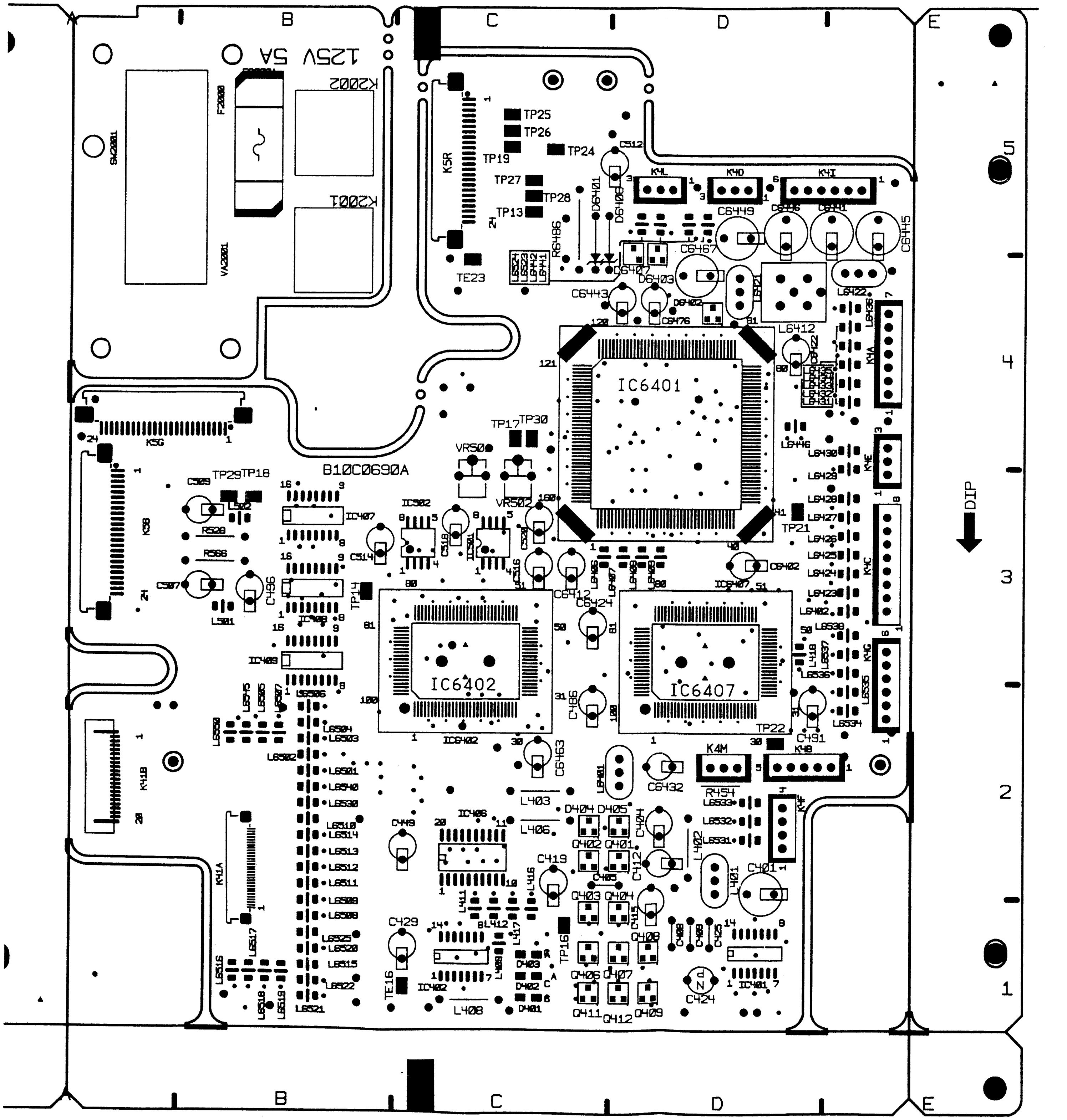

G
F
E
D
C
6
5
4
3
2
1
K6E
K6F
K6D
K6J
K6Q
K6R
K6M
K6P
K6G
K6B
K6L
K6C
K6I
K6A
Q606
Q601
Q602
Q603
IC602
VR601
PC601
T601
RL601
VA601
DB601
D612
D609
D608
D610
D607
L601
L602
L603
L604
C613
C621
C619
R636
R637
R638
R610
R609
R611
R612
R613
R614
R616
R618
R619
R621
R622
R623
R627
R628
R629
R631
R601
R602
R603
R606
R607
C601
C602
C603
C604
C605
C606
C607
C608
C609
C610
C611
C612
C614
C616
C617
C622
C623
C629
C632
C634
C635
J601
J602
J603
J604
J606
J607
J608
J609
J610
J611
J615
J616
J617
J620
J621
J622
J623
J624
J625
J626
J627
J630
J631
IAA4B10C02700_D
97F



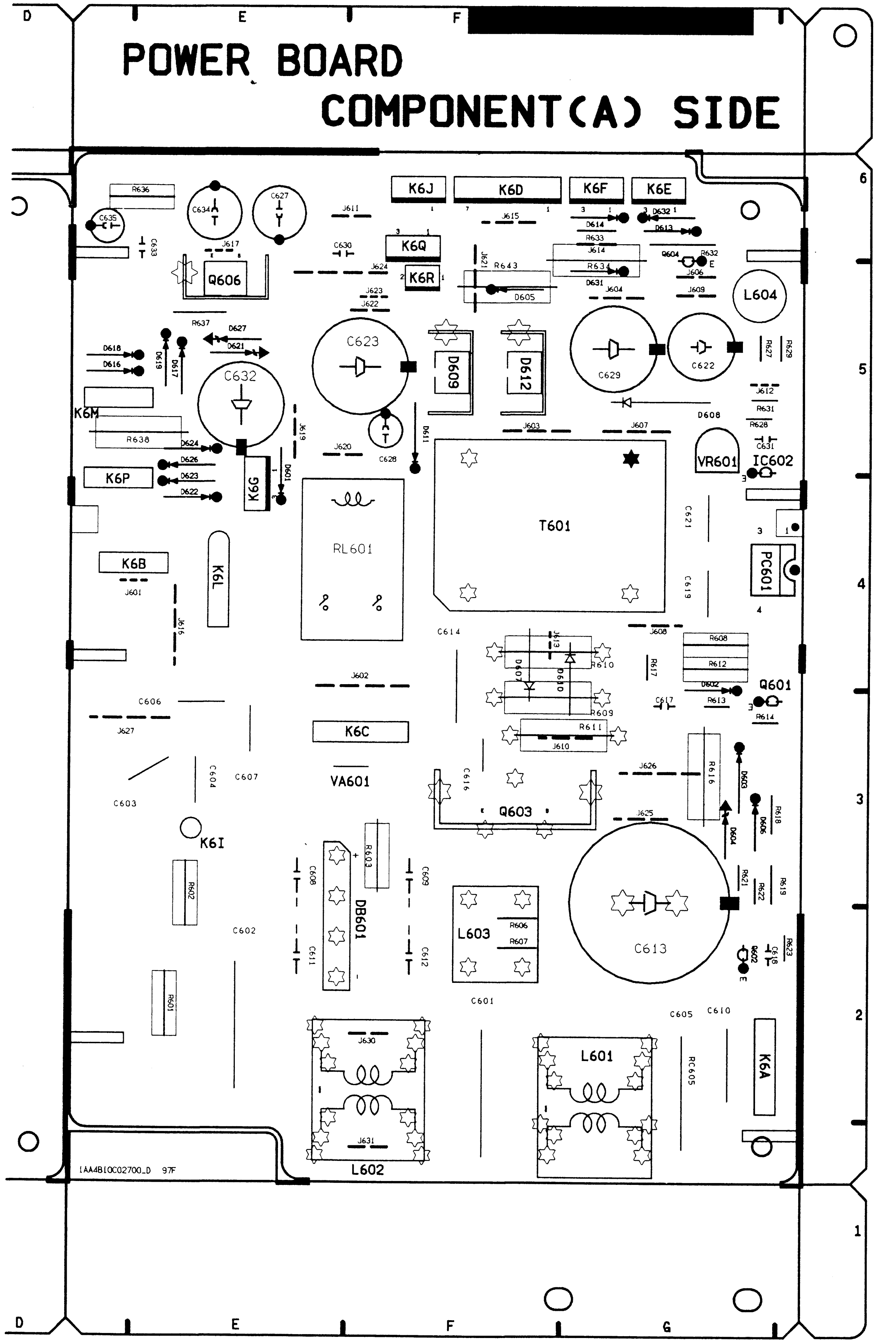


ER

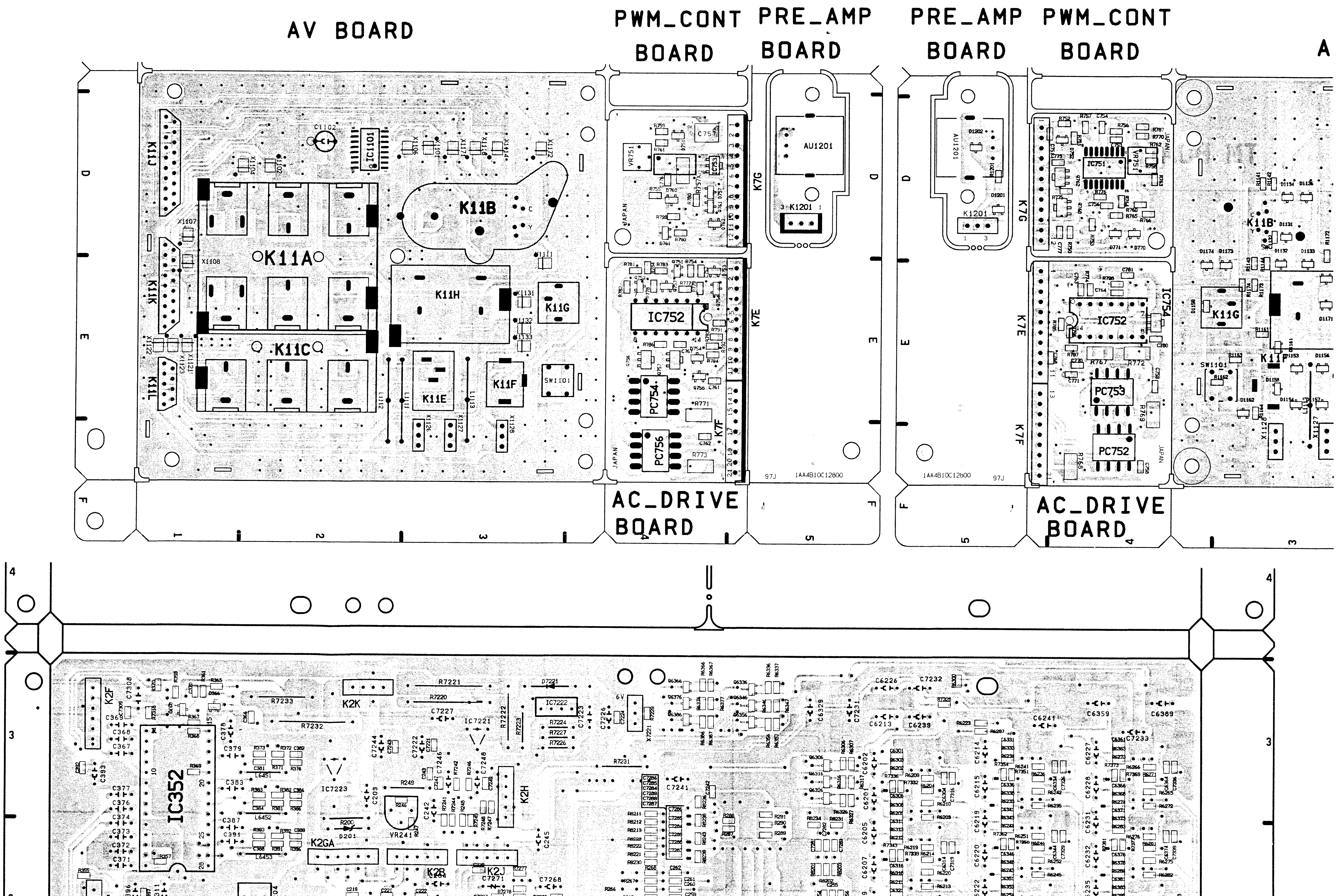
TM BOARD COMPONENT(A) SIDE

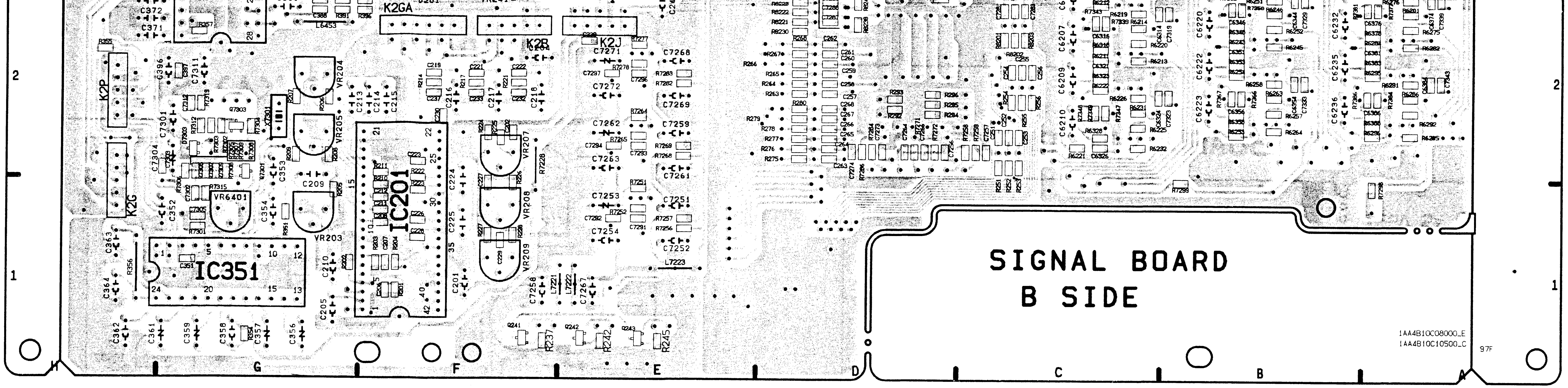

B
C
D
E
1
2
3
4
5
125V 5A
F2000
K2002
K2001
VA2001
SW2001
K5R
K5G
K5B
K41B
K41A
B10C0690A
IC6401
IC6402
IC6407
IC406
IC402
IC401
IC407
IC409
IC502
IC501
VR501
VR502
TP25
TP26
TP24
TP19
TP27
TP28
TP13
TE23
TP17
TP30
TP29
TP18
TP14
TP21
TP22
TP16
TE16
K4L
K4D
K4I
K4A
K4E
K4C
K4G
K4M
K4B
K4F
C6449
C6445
C6443
C6402
C6463
C6432
C401
C419
C429
C449
C424
C507
C496
C509
L403
L406
L408
L402
L401
L6412
R454
DIP

POWER BOARD COMPONENT(A) SIDE

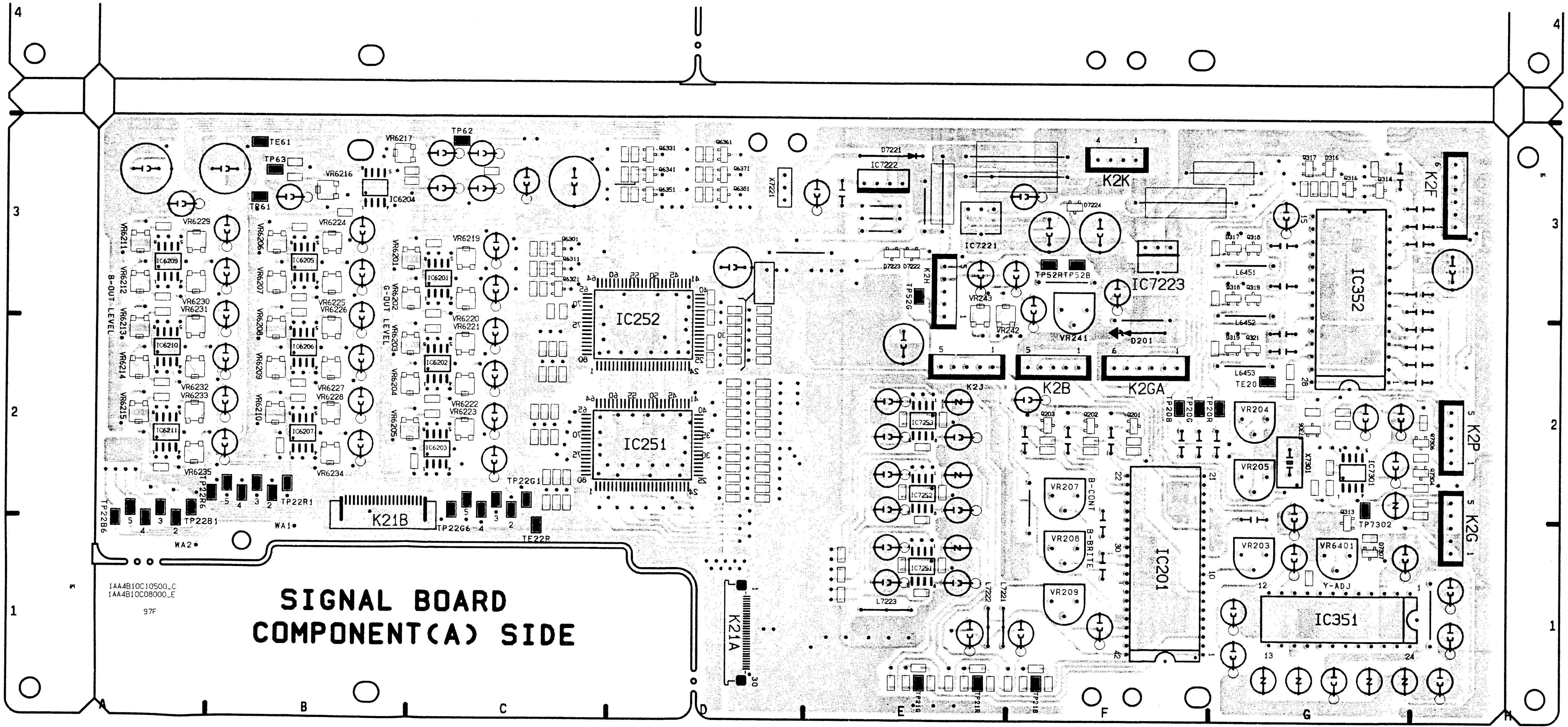

D
E
F
G
1
2
3
4
5
6
K6J
K6D
K6F
K6E
K6Q
K6R
Q606
L604
C623
C632
C629
C622
D609
D612
K6M
K6P
K6G
T601
VR601
IC602
PC601
RL601
K6B
K6L
Q601
K6C
VA601
Q603
K6I
DB601
L603
C613
L601
L602
K6A
IAA4B10C02700_D 97F

COMPONENT(A) SIDE   B SIDE


AV BOARD
PWM_CONT BOARD
PRE_AMP BOARD
PRE_AMP BOARD
PWM_CONT BOARD
A
AC_DRIVE BOARD
AC_DRIVE BOARD
K11A
K11B
K11C
K11E
K11F
K11G
K11H
K11J
K11K
K11L
IC1101
SW1101
K7G
K7E
K7F
IC752
IC754
IC751
PC754
PC756
PC753
PC752
AU1201
K1201
1AA4B10C12800
97J
JAPAN
D
E
F
1
2
3
4
5
K2F
K2K
K2H
K2GA
K2B
K2J
IC352
IC7221
IC7222
IC7223
VR241
D201
R7221
R7220
R7233
R7232
R7231
C7241
C7233
C6226
C7232
C6241
C6359
C6389
C6213
C6299
C6329
6V



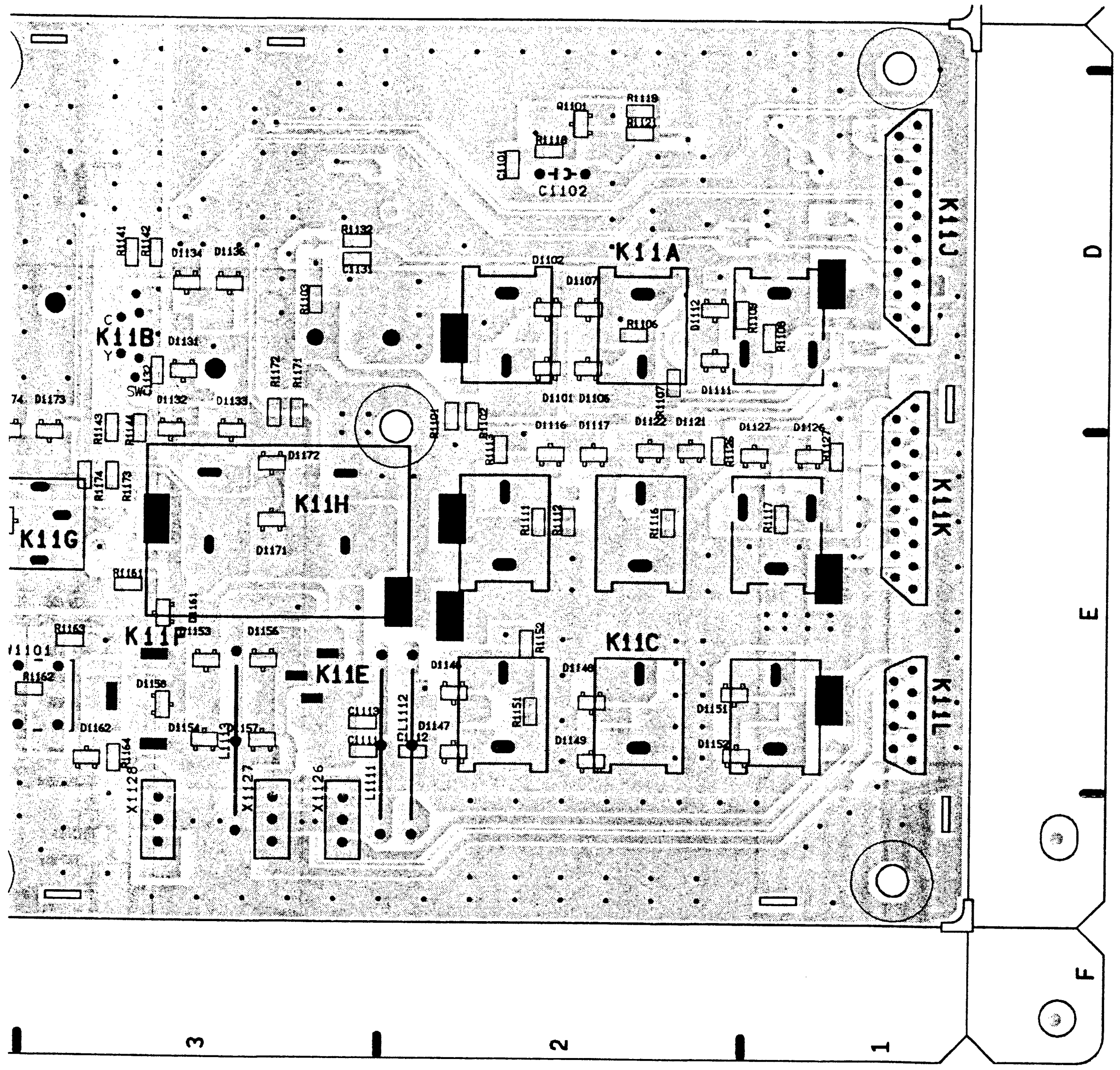
SIGNAL BOARD
B SIDE
1AA4B10C08000_E
1AA4B10C10500_C
97F
IC351
IC201
K2GA
K2B
K2J
K2P
K2G
VR6401
VR203
VR204
VR205
VR207
VR208
VR209
R237
R242
R245
A
B
C
D
E
F
G
H
1
2



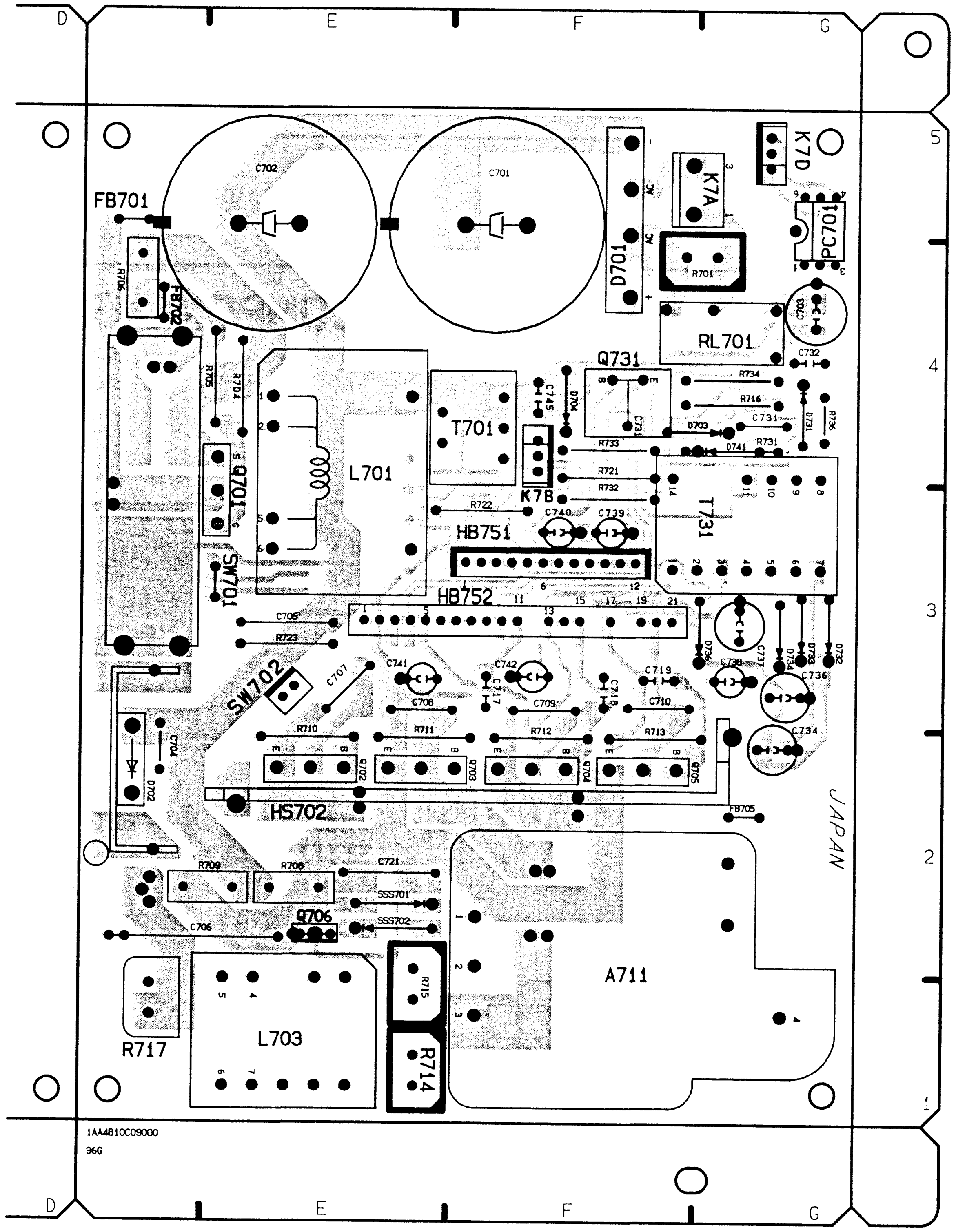
SIGNAL BOARD
COMPONENT(A) SIDE
1AA4B10C10500_C
1AA4B10C08000_E
97F
IC252
IC251
IC352
IC351
IC201
IC7223
IC7221
IC7222
K21B
K21A
K2K
K2F
K2P
K2G
K2J
K2B
K2GA
B-OUT LEVEL
G-OUT LEVEL
B-CONT
B-BRITE
Y-ADJ
VR241
VR242
VR243
VR203
VR204
VR205
VR207
VR208
VR209
VR6401
TE61
TP62
TP63
TP61
TE20
TE22R
TP52R
TP52B
TP52G
TP7302
TP20B
TP20G
TP20R
TP21G
TP21R
TP21B
TP22B1
TP22B6
TP22R1
TP22R6
TP22G1
TP22G6
WA1
WA2
D201
L7223
A
B
C
D
E
F
G
H
1
2
3
4

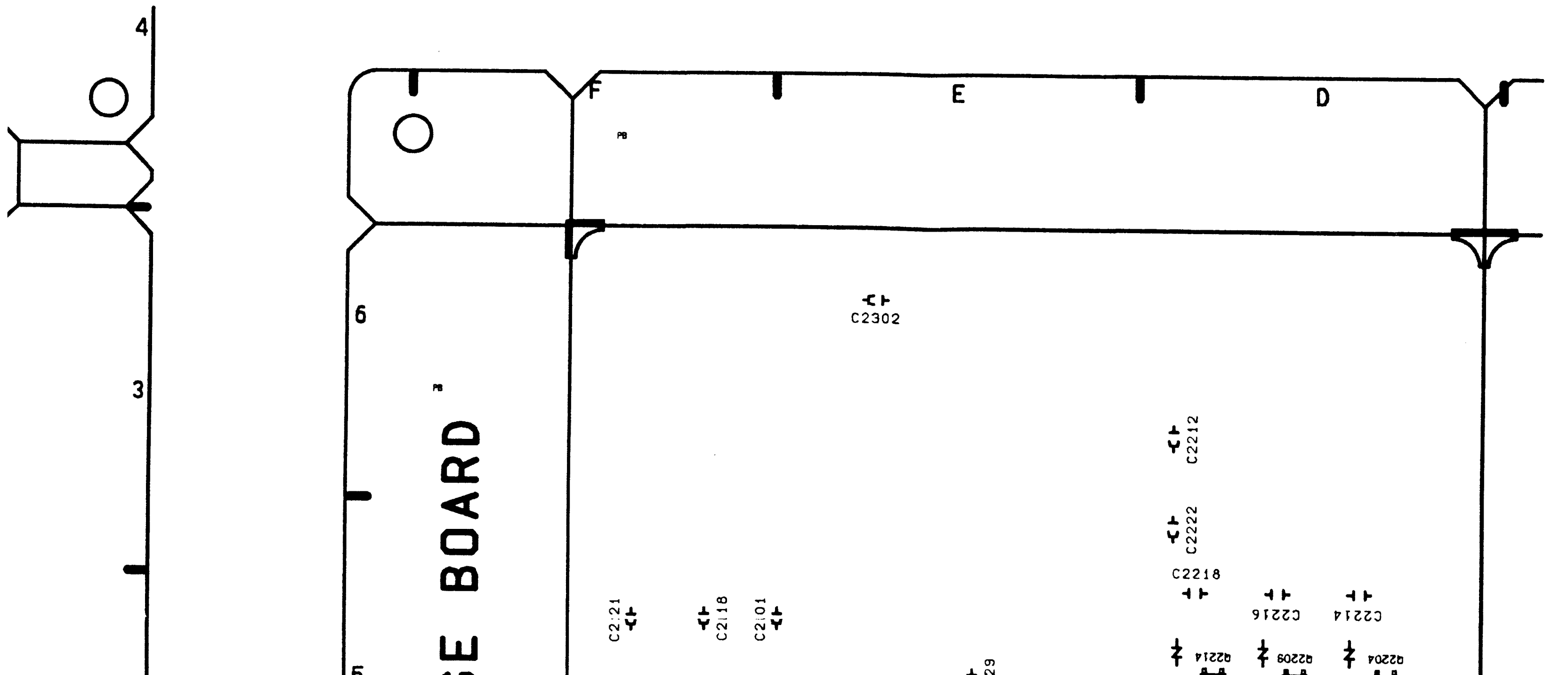
SIDE

AV BOARD

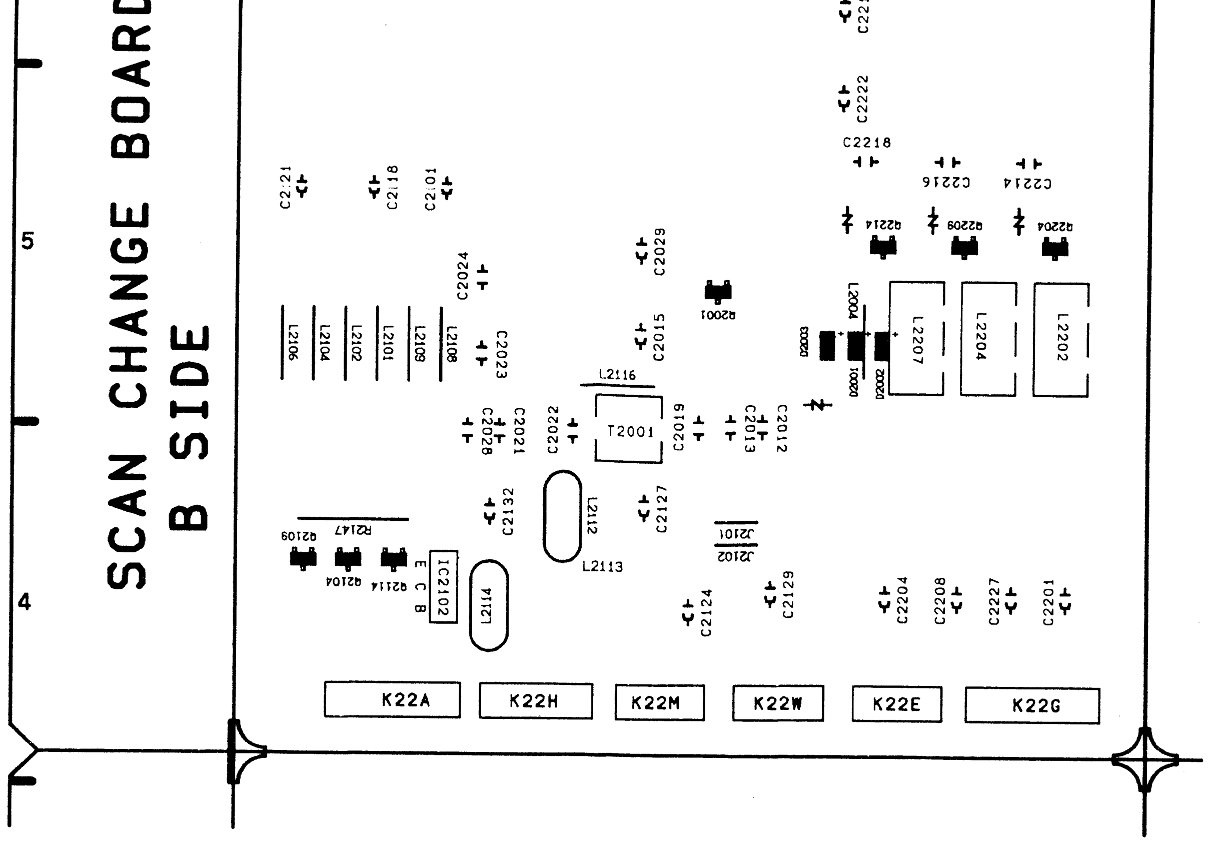

K11A
K11B
K11C
K11E
K11F
K11G
K11H
K11J
K11K
K11L
C1102
X1127
X1126
X1128
D
E
F
3
2
1

LAMP BALLAST BOARD COMPONENT(A) SIDE

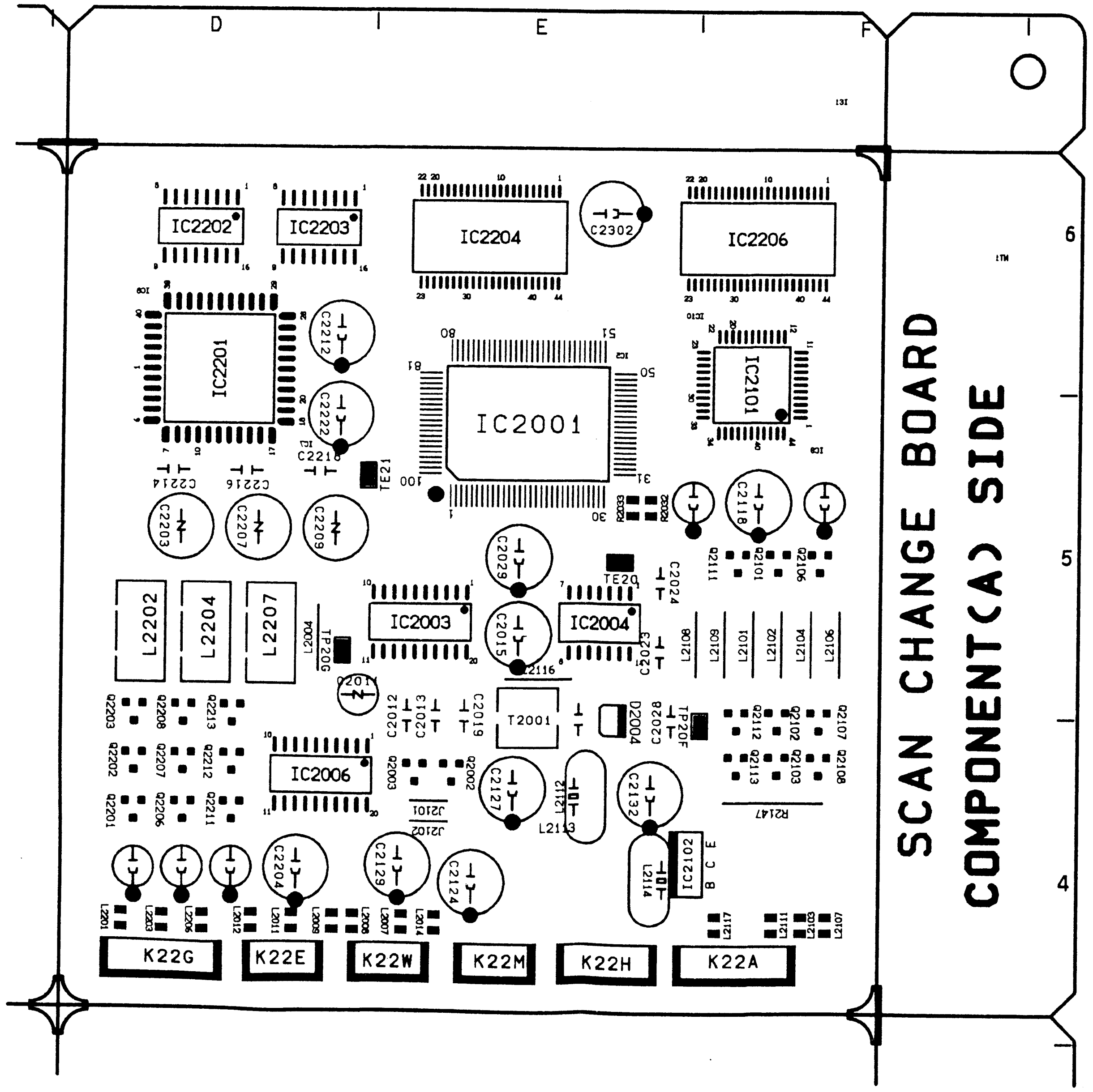

D
E
F
G
5
4
3
2
1
FB701
C702
C701
D701
K7A
K7D
PC701
R701
RL701
Q731
T701
L701
K7B
T731
HB751
HB752
Q701
SW701
SW702
HS702
Q706
R717
L703
R715
R714
A711
JAPAN
1AA4B10C09000
96G


F
E
D
4
3
6
5
C2302
C2212
C2222
C2218
E BOARD

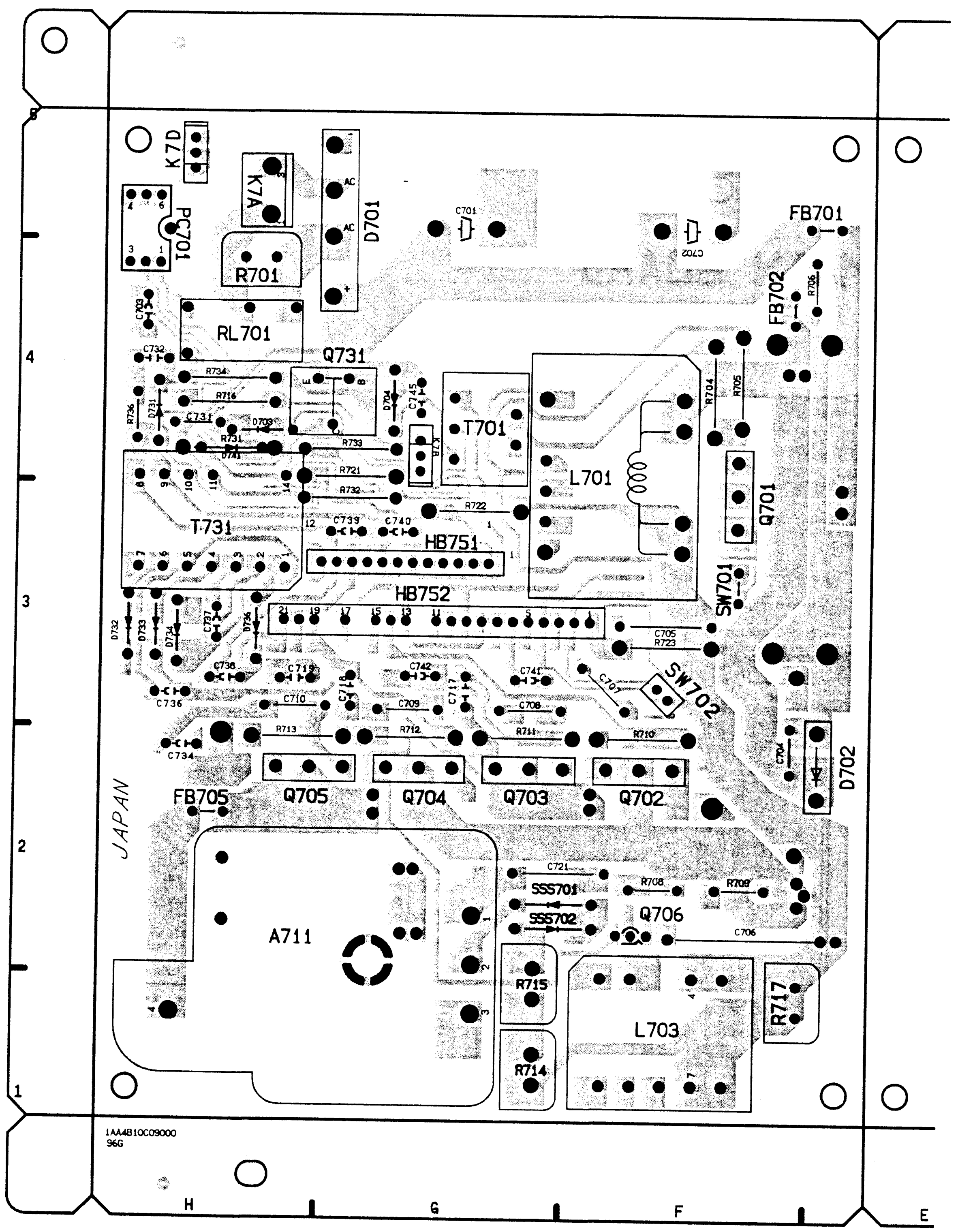
SCAN CHANGE BOARD B SIDE


K22A
K22H
K22M
K22W
K22E
K22G
T2001
IC2102
L2114
L2113
L2112
L2116
L2106
L2104
L2102
L2101
L2103
L2108
L2207
L2204
L2202
L2004
R2147
J2101
J2102
C2121
C2118
C2101
C2024
C2023
C2029
C2015
C2028
C2021
C2022
C2019
C2013
C2012
C2132
C2127
C2124
C2129
C2204
C2208
C2227
C2201
C2222
C2218
C2216
C2214
Q2109
Q2104
Q2114
R2001
D2001
D2002
D2003

SCAN CHANGE BOARD COMPONENT(A) SIDE


D
E
F
IC2202
IC2203
IC2204
IC2206
IC2201
IC2001
IC2101
IC2003
IC2004
IC2006
IC2102
C2302
C2212
C2222
C2218
C2214
C2216
C2203
C2207
C2209
C2029
C2015
C2118
C2024
C2023
C2012
C2013
C2019
C2127
C2132
C2204
C2129
C2124
C2028
L2202
L2204
L2207
L2004
L2108
L2109
L2101
L2102
L2104
L2106
L2112
L2113
L2114
L2116
T2001
TE21
TE20
TP20G
TP20F
D2004
R2001
R2147
J2101
J2102
K22G
K22E
K22W
K22M
K22H
K22A

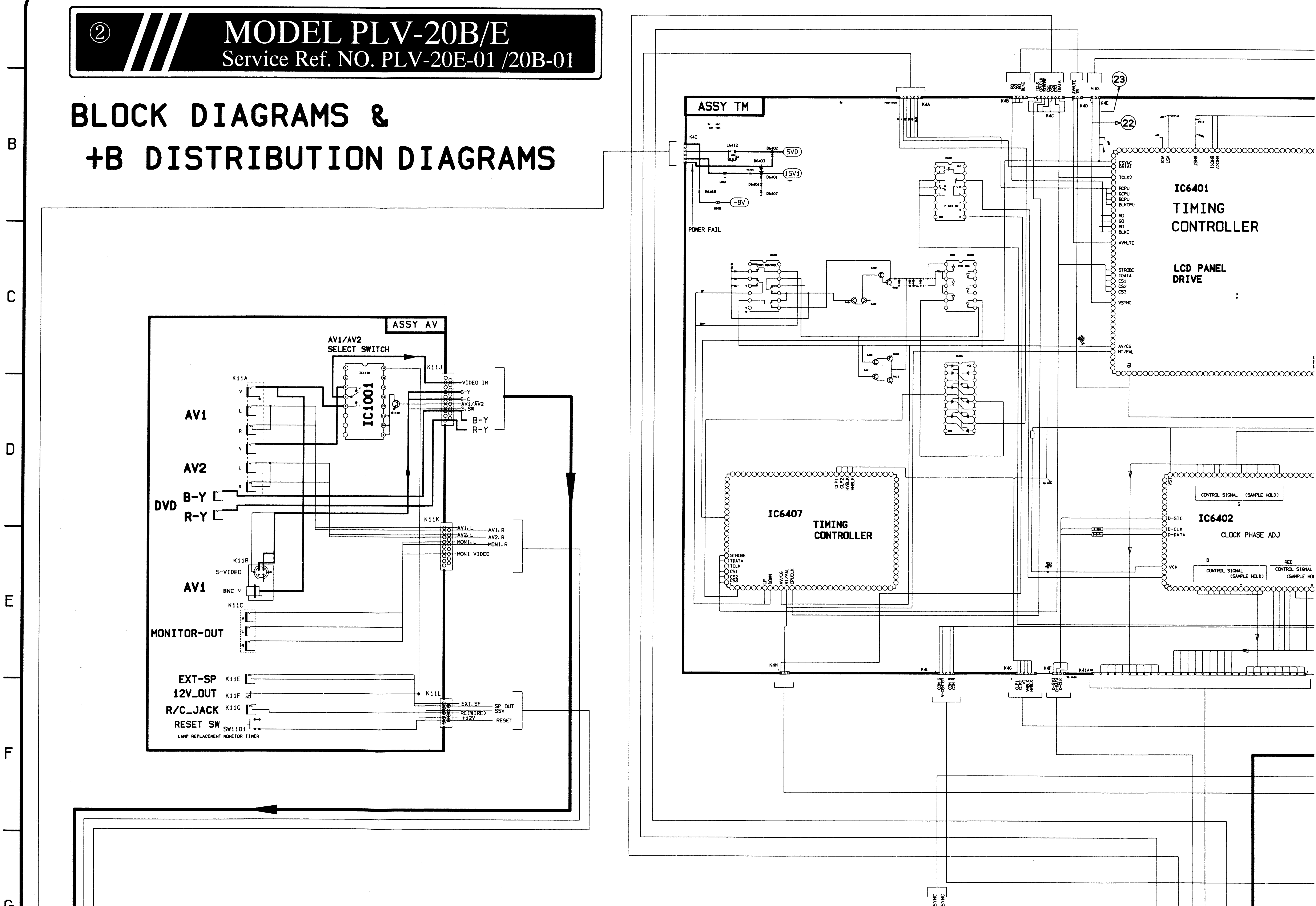
LAMP BALLAST BOARD
B SIDE

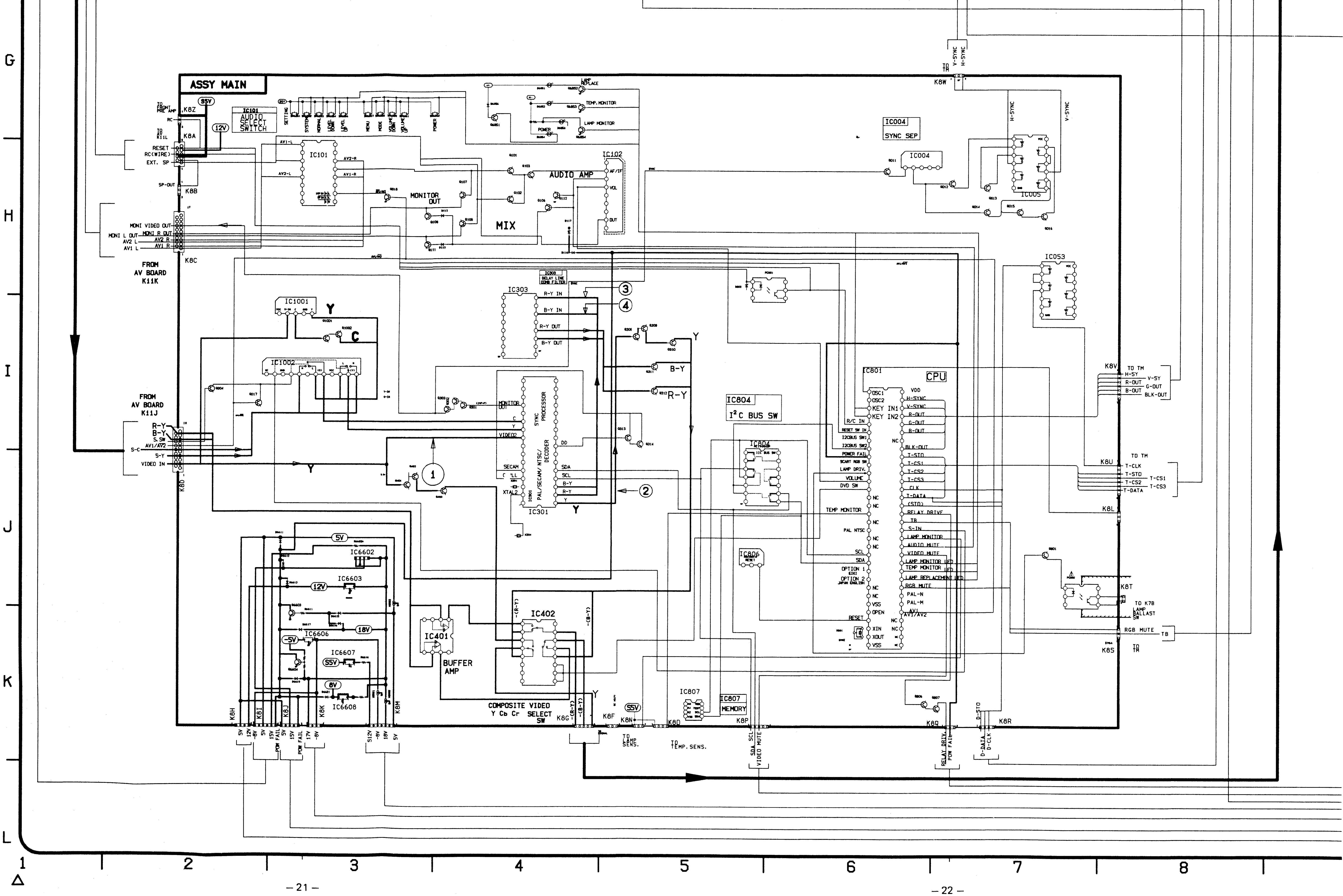

K7D
K7A
PC701
R701
D701
C701
C702
FB701
FB702
RL701
Q731
T701
L701
Q701
T731
HB751
HB752
SW701
SW702
D702
FB705
Q705
Q704
Q703
Q702
A711
SSS701
SSS702
Q706
R715
R714
L703
R717
C703
C732
R734
R716
C731
D703
R731
D741
R733
R721
R732
R722
C739
C740
D704
C745
R704
R705
R706
D732
D733
D734
D737
D735
C738
C719
C710
C718
C742
C709
C717
C741
C708
C707
C705
R723
C736
C734
R713
R712
R711
R710
C704
C721
R708
R709
C706
JAPAN
1AA4B10C09000
96G
H
G
F
E

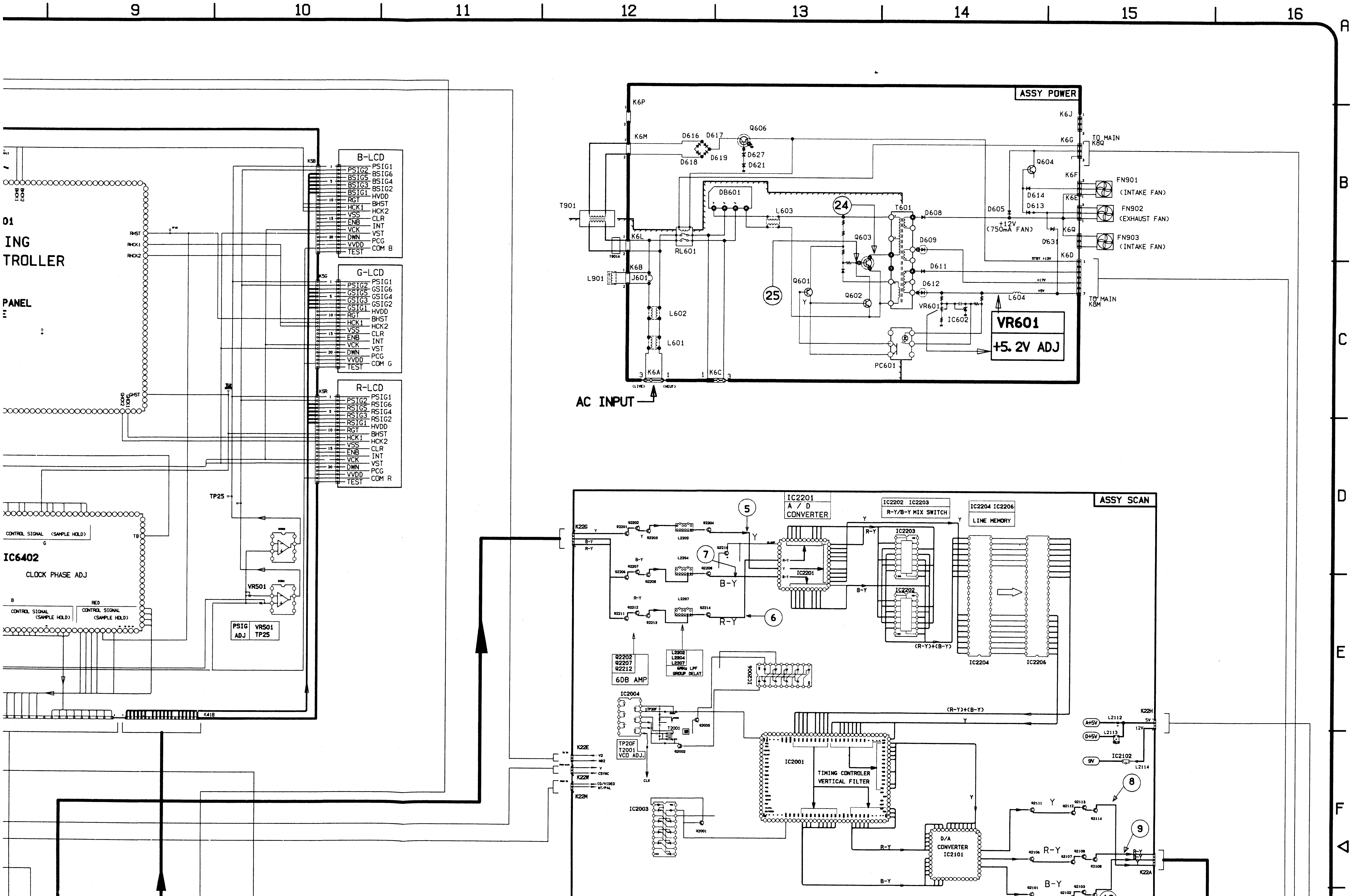
Revision 2

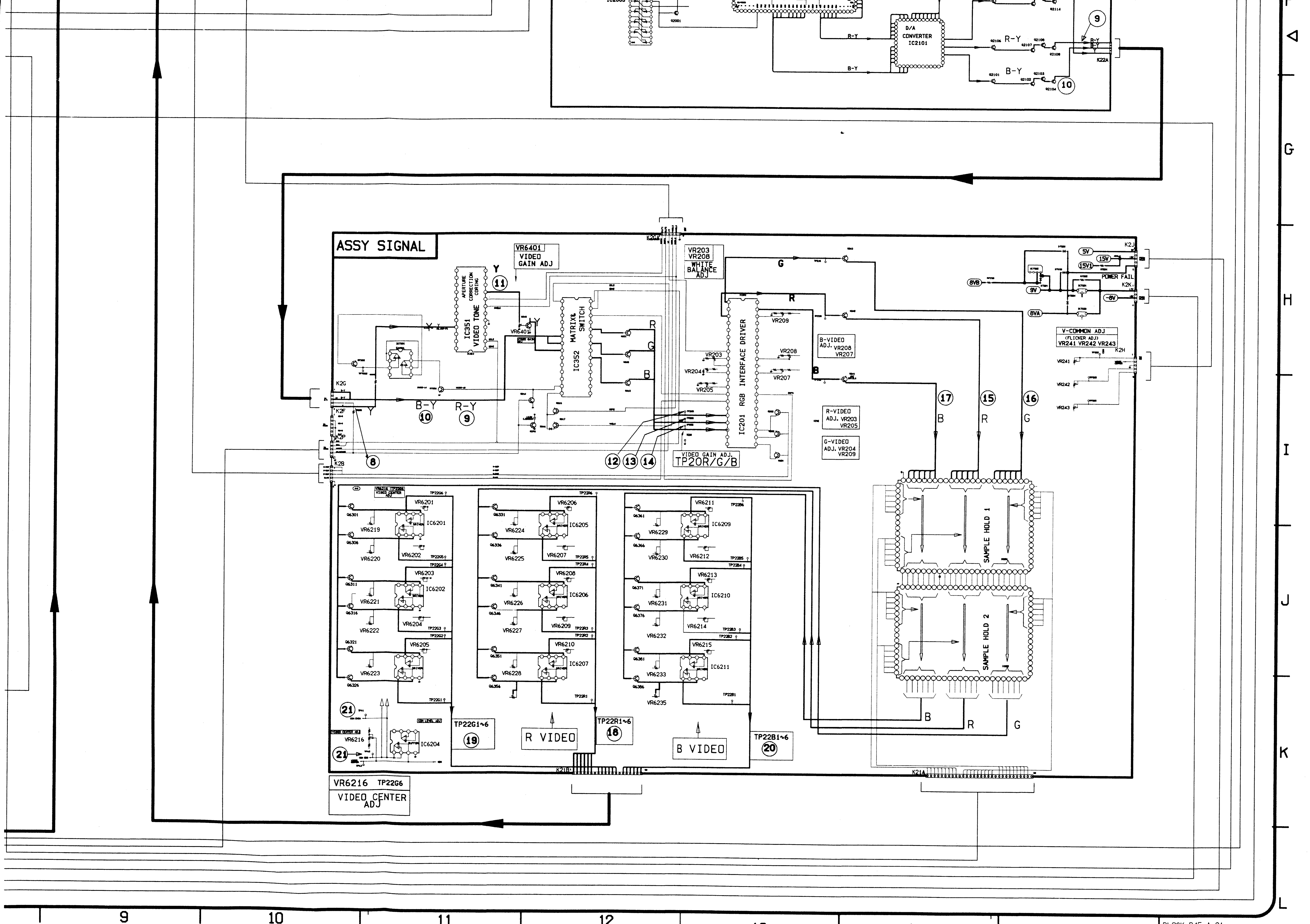
② MODEL PLV-20B/E
Service Ref. NO. PLV-20E-01 /20B-01

BLOCK DIAGRAMS &
+B DISTRIBUTION DIAGRAMS


ASSY AV
AV1/AV2 SELECT SWITCH
IC1001
K11A
K11J
VIDEO IN
S-Y
S-C
AV1/AV2
S.SW
B-Y
R-Y
AV1
AV2
DVD
B-Y
R-Y
K11B
S-VIDEO
BNC
AV1
K11C
MONITOR-OUT
K11K
AV1.L
AV2.L
MONI.L
MONI VIDEO
AV1.R
AV2.R
MONI.R
EXT-SP
12V_OUT
R/C_JACK
RESET SW
K11E
K11F
K11G
SW1101
LAMP REPLACEMENT MONITOR TIMER
K11L
EXT.SP
RC(WIRE)
+12V
SP OUT
S5V
RESET
ASSY TM
K4I
L6412
5VD
15V1
-8V
POWER FAIL
K4A
K4B
K4C
K4D
K4E
23
22
IC6401
TIMING CONTROLLER
LCD PANEL DRIVE
CSYNC
DATAI
TCLK2
RCPU
GCPU
BCPU
BLKCPU
RO
GO
BO
BLKO
AVMUTE
STROBE
TDATA
CS1
CS2
CS3
VSYNC
AV/CG
NT/PAL
IC6407
TIMING CONTROLLER
CLP1
CLP2
HVBLK
VHBLK
STROBE
TDATA
TCLK
CS1
CS2
CS3
IC6402
CLOCK PHASE ADJ
CONTROL SIGNAL (SAMPLE HOLD)
D-STO
D-CLK
D-DATA
VCK
RED
K4M
K4L
K4G
K4F
K41A
SYNC
SYNC


G
H
I
J
K
L
1
2
3
4
5
6
7
8
ASSY MAIN
TO FRONT PRE AMP
K8Z
S5V
12V
RC
TO K11L
K8A
RESET
RC(WIRE)
EXT. SP
SP-OUT
K8B
MONI VIDEO OUT
MONI L OUT
MONI R OUT
AV2 L
AV2 R
AV1 L
AV1 R
K8C
FROM AV BOARD K11K
IC101
AUDIO SELECT SWITCH
AV1-L
AV2-L
AV2-R
AV1-R
SETTING
SYSTEM
NORMAL
LEVEL DOWN
LEVEL UP
MENU
MODE
VOLUME DOWN
VOLUME UP
POWER
LAMP REPLACE
TEMP. MONITOR
LAMP MONITOR
MONITOR OUT
AUDIO AMP
MIX
IC102
AF/IF
VOL
OUT
IC004
SYNC SEP
IC005
IC053
TO TM
K8W
V-SYNC
H-SYNC
IC300
DELAY LINE COMB FILTER
IC303
R-Y IN
B-Y IN
R-Y OUT
B-Y OUT
③
④
IC1001
Y
C
IC1002
Y
B-Y
R-Y
FROM AV BOARD K11J
R-Y
B-Y
S.SW
AV1/AV2
S-C
S-Y
VIDEO IN
K8D
Y
①
②
MONITOR OUT
C
Y
VIDEO2
SECAM
XTAL2
SYNC PROCESSOR
PAL/SECAM/NTSC/DECODER
DD
SDA
SCL
B-Y
R-Y
Y
IC301
Y
IC801
CPU
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
DVD SW
TEMP MONITOR
PAL NTSC
SCL
SDA
OPTION 1
OPTION 2
RESET
XIN
XOUT
VSS
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STO)
RELAY DRIVE
TB
S-IN
LAMP MONITOR
AUDIO MUTE
VIDEO MUTE
LAMP MONITOR LED
TEMP MONITOR LED
LAMP REPLACEMENT LED
RGB MUTE
PAL-N
PAL-M
AV1
AV1/AV2
NC
OPEN
IC804
I²C BUS SW
IC806
RESET
IC807
MEMORY
K8V
TO TM
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
K8U
TO TM
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
K8L
K8T
TO K7B
LAMP BALLAST SW
RGB MUTE
TB
K8S
TO TB
5V
IC6602
IC6603
12V
18V
-5V
IC6606
IC6607
S5V
8V
IC6608
IC401
BUFFER AMP
IC402
-(R-Y)
-(B-Y)
COMPOSITE VIDEO Y Cb Cr SELECT SW
K8H
K8I
K8J
K8K
K8M
K8G
K8F
K8N
K8O
K8P
K8Q
K8R
5V
12V
-8V
15V
POW FAIL
5V
15V
POW FAIL
17V
-8V
S12V
-8V
18V
5V
TO LAMP SENS.
TO TEMP. SENS.
SDA
SCL
VIDEO MUTE
RELAY DRIV.
POW FAIL
D-STO
D-DATA
D-CLK
Y

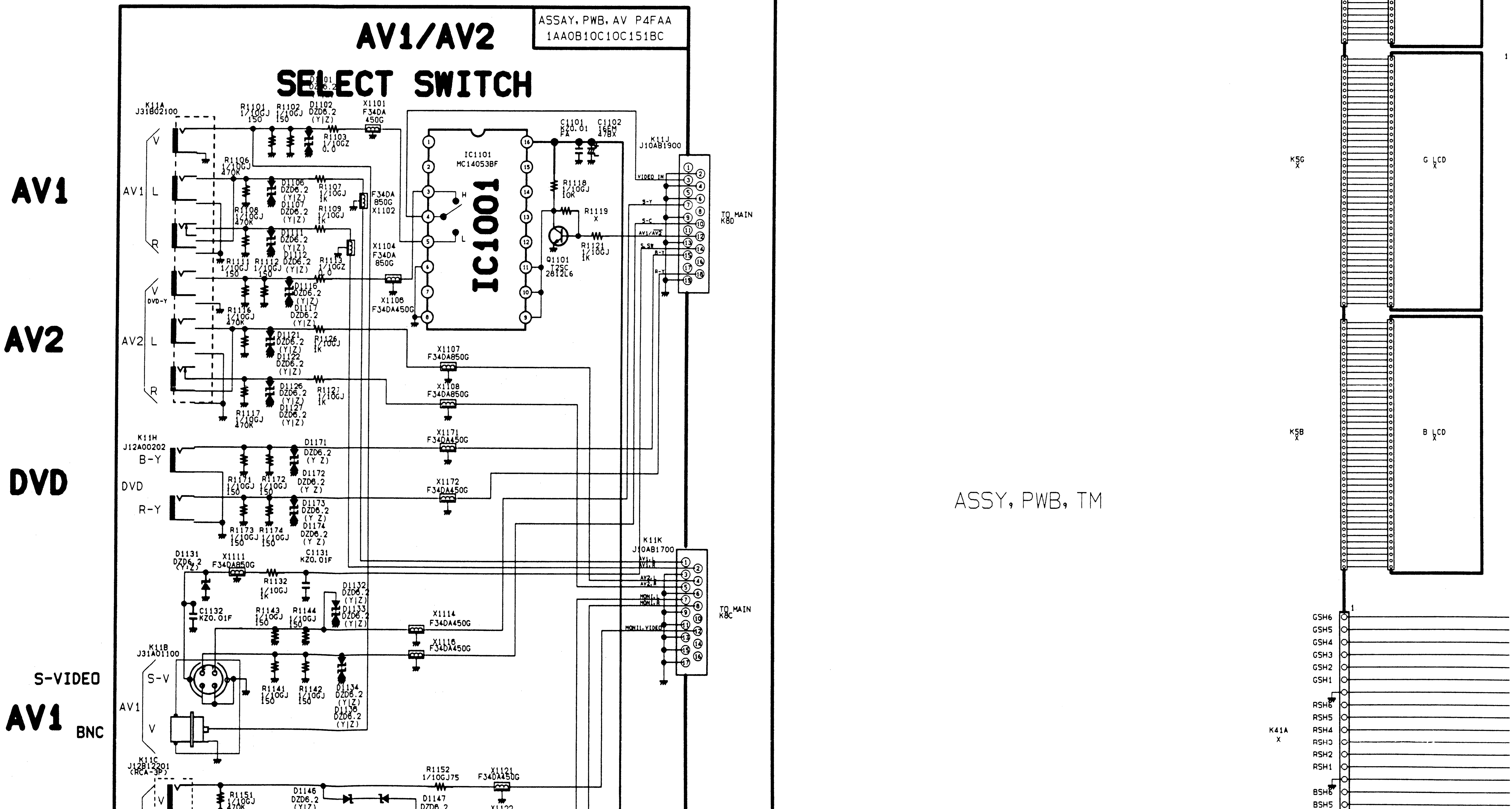

9
10
11
12
13
14
15
16
A
B
C
D
E
F
01
ING
TROLLER
PANEL
B-LCD
PSIG1
PSIG2
BSIG6
BSIG5
BSIG4
BSIG3
BSIG2
BSIG1
HVDD
RGT
BHST
HCK1
HCK2
VSS
CLR
ENB
INT
VCK
VST
DWN
PCG
VVDD
COM B
TEST
G-LCD
GSIG6
GSIG5
GSIG4
GSIG3
GSIG2
GSIG1
COM G
R-LCD
RSIG6
RSIG5
RSIG4
RSIG3
RSIG2
RSIG1
COM R
K5B
K5G
K5R
RHST
RHCK1
RHCK2
TP25
VR501
PSIG ADJ
VR501 TP25
IC6402
CLOCK PHASE ADJ
CONTROL SIGNAL (SAMPLE HOLD)
G
B
RED
CONTROL SIGNAL (SAMPLE HOLD)
K41B
ASSY POWER
K6P
K6M
K6J
K6G
TO MAIN K8Q
D616
D617
D618
D619
Q606
D627
D621
Q604
K6F
FN901 (INTAKE FAN)
FN902 (EXHAUST FAN)
FN903 (INTAKE FAN)
K6E
D614
D613
D605
+12V (750mA FAN)
K6Q
D631
K6D
TO MAIN K8M
T901
DB601
L603
24
T601
D608
D609
Q603
D611
D612
L604
K6L
RL601
K6B
L901
J601
25
Q601
Q602
VR601
IC602
VR601
+5.2V ADJ
L602
L601
PC601
K6A
K6C
AC INPUT
(LINE)
(NEUT)
ASSY SCAN
IC2201 A/D CONVERTER
IC2202 IC2203 R-Y/B-Y MIX SWITCH
IC2204 IC2206 LINE MEMORY
K22G
Y
B-Y
R-Y
5
7
6
Q2202
Q2203
Q2204
Q2207
Q2208
Q2212
Q2213
Q2214
L2202
L2204
L2207
IC2203
IC2202
(R-Y)+(B-Y)
IC2204
IC2206
Q2202 Q2207 Q2212 6DB AMP
L2202 L2204 L2207 6MHz LPF GROUP DELAY
IC2006
IC2004
TP20F T2001 VCO ADJ.
K22E
K22W
K22M
CLK
IC2003
IC2001
TIMING CONTROLER VERTICAL FILTER
D/A CONVERTER IC2101
K22H
A+5V
D+5V
9V
L2112
L2113
L2114
IC2102
8
9
K22A
Q2111
Q2112
Q2113
Q2106
Q2107
Q2108
Q2101
Q2102
Q2103


D/A CONVERTER IC2101
R-Y
B-Y
Q2001
Q2101
Q2102
Q2103
Q2104
Q2106
Q2107
Q2108
Q2114
9
10
K22A
ASSY SIGNAL
VR6401 VIDEO GAIN ADJ
Y
11
IC351 VIDEO TONE
APERTURE CORRECTION CORING
MATRIX & SWITCH
IC352
R
G
B
B-Y
R-Y
10
9
8
K2G
K2F
K2P
K2B
VR203 VR208 WHITE BALANCE ADJ
IC201 RGB INTERFACE DRIVER
VR209
VR208
VR207
VR203
VR204
VR205
B-VIDEO ADJ. VR208 VR207
R-VIDEO ADJ. VR203 VR205
G-VIDEO ADJ. VR204 VR209
12
13
14
VIDEO GAIN ADJ.
TP20R/G/B
17
15
16
B
R
G
5V
15V
15V1
POWER FAIL
K2J
K2K
8VB
9V
-8V
8VA
V-COMMON ADJ
(FLICKER ADJ)
VR241 VR242 VR243
K2H
VR241
VR242
VR243
SAMPLE HOLD 1
SAMPLE HOLD 2
VR6216 TP22G6 VIDEO CENTER ADJ
VR6201
VR6202
VR6203
VR6204
VR6205
VR6219
VR6220
VR6221
VR6222
VR6223
IC6201
IC6202
IC6204
Q6301
Q6306
Q6311
Q6316
Q6321
Q6326
VR6206
VR6207
VR6208
VR6209
VR6210
VR6224
VR6225
VR6226
VR6227
VR6228
IC6205
IC6206
IC6207
Q6331
Q6336
Q6341
Q6346
Q6351
Q6356
VR6211
VR6212
VR6213
VR6214
VR6215
VR6229
VR6230
VR6231
VR6232
VR6233
VR6235
IC6209
IC6210
IC6211
Q6361
Q6366
Q6371
Q6376
Q6381
Q6386
21
VR6216
TP22G1~6
19
R VIDEO
TP22R1~6
18
B VIDEO
TP22B1~6
20
K21B
K21A
VR6216 TP22G6
VIDEO CENTER ADJ
G
H
I
J
K
L
9
10
11
12

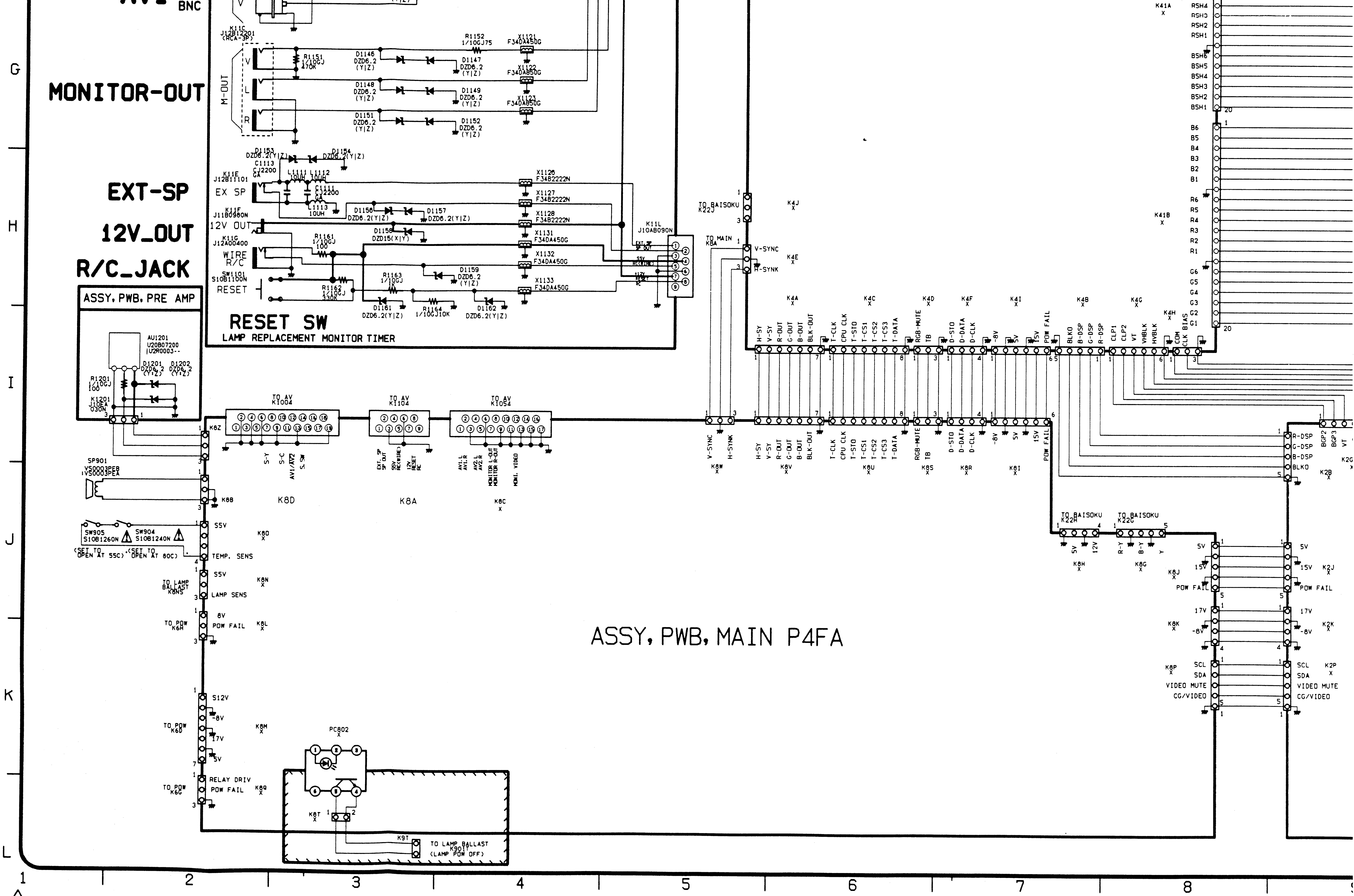
Revision 3

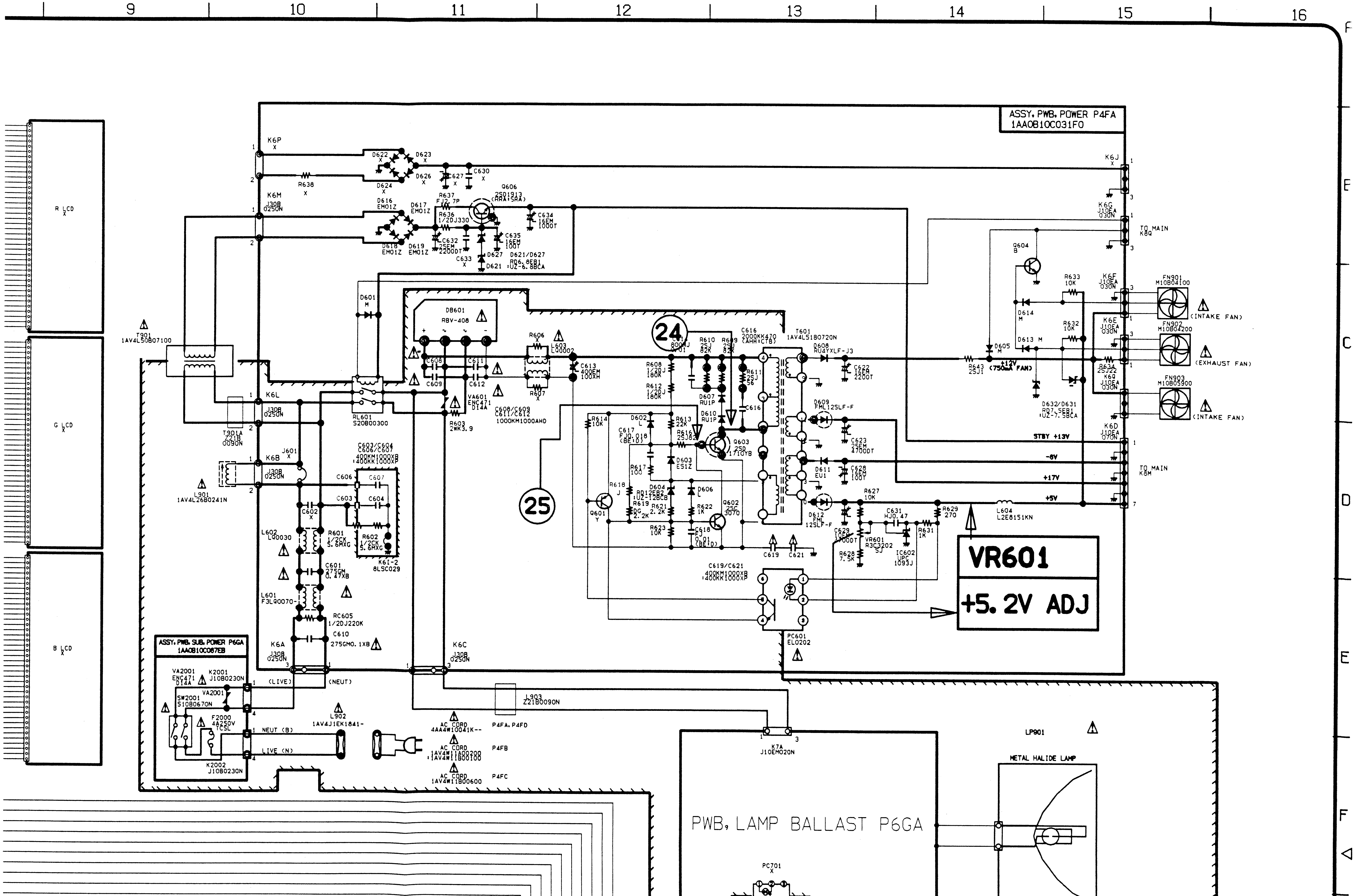
③ MODEL PLV-20B/E
Service Ref. NO. PLV-20E-01 /20B-01

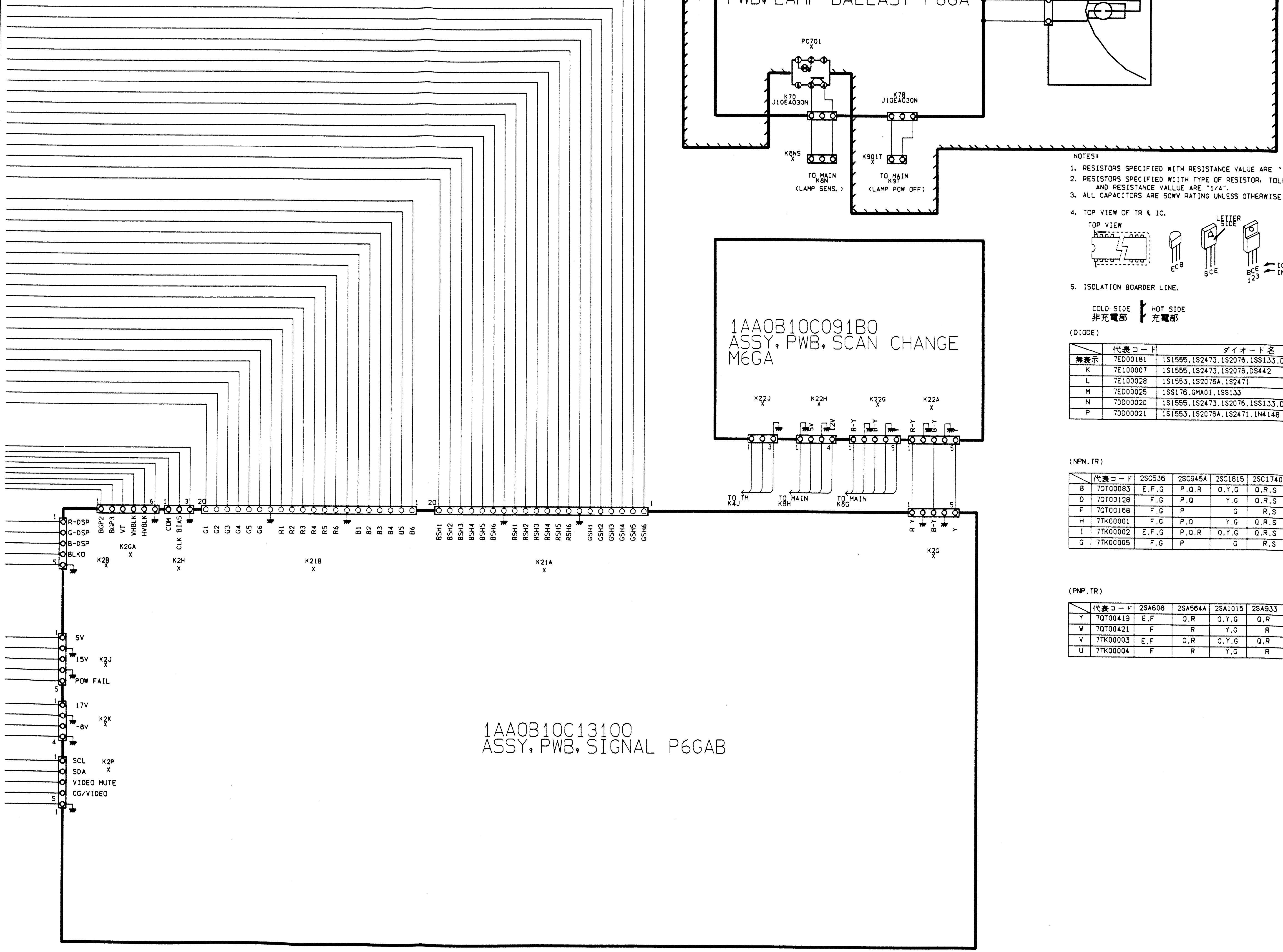
SCHEMATIC DIAGRAMS



AV1/AV2
SELECT SWITCH
ASSAY, PWB, AV P4FAA
1AA0B10C10C151BC
AV1
AV2
DVD
S-VIDEO
AV1 BNC
K11A
J31B02100
K11H
J12A00202
K11B
J31A01100
K11C
J12B12201
(RCA-3P)
K11J
J10AB1900
K11K
J10AB1700
IC1101
MC14053BF
IC1001
Q1101
2SC
2812L6
TO MAIN
K8D
TO MAIN
K8C
VIDEO IN
S-Y
S-C
AV1/AV2
S SW
B-Y
R-Y
AV1 L
AV1 R
AV2 L
AV2 R
MONI L
MONI R
MONI1,VIDEO
R1101
R1102
R1103
R1106
R1107
R1108
R1109
R1111
R1112
R1113
R1116
R1117
R1118
R1119
R1121
R1126
R1127
R1132
R1141
R1142
R1143
R1144
R1151
R1152
R1171
R1172
R1173
R1174
C1101
C1102
C1131
C1132
D1101
D1102
D1106
D1107
D1111
D1112
D1116
D1117
D1121
D1122
D1126
D1127
D1131
D1132
D1133
D1134
D1136
D1146
D1147
D1171
D1172
D1173
D1174
X1101
X1102
X1104
X1106
X1107
X1108
X1111
X1114
X1116
X1121
X1122
X1171
X1172
ASSY, PWB, TM
K5R
K5G
K5B
R LCD
G LCD
B LCD
K41A
GSH6
GSH5
GSH4
GSH3
GSH2
GSH1
RSH6
RSH5
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5


AV2 BNC
MONITOR-OUT
M-OUT
V
L
R
K11C J12B12201 (RCA-3P)
R1151 1/10GJ 470K
R1152 1/10GJ75
X1121 F34DA450G
X1122 F34DA850G
X1123 F34DA850G
D1146 DZD6.2 (Y|Z)
D1147 DZD6.2 (Y|Z)
D1148 DZD6.2 (Y|Z)
D1149 DZD6.2 (Y|Z)
D1151 DZD6.2 (Y|Z)
D1152 DZD6.2 (Y|Z)
EXT-SP
12V_OUT
R/C_JACK
D1153 DZD6.2(Y|Z)
D1154 DZD6.2(Y|Z)
C1113 CJ2200 GA
K11E J12B11101
EX SP
L1111 10UH
L1112 10UH
C1111 CJ2200 GA
L1113 10UH
K11F J11B0980N
12V OUT
K11G J12A00400
WIRE R/C
SW1101 S10B1100N
RESET
D1156 DZD6.2(Y|Z)
D1157 DZD6.2(Y|Z)
D1158 DZD15(X|Y)
R1161 1/10GJ 100
R1162 1/10GJ 330K
R1163 1/10GJ
R1164 1/10GJ10K
D1159 DZD6.2 (Y|Z)
D1161 DZD6.2(Y|Z)
D1162 DZD6.2(Y|Z)
X1126 F34B2222N
X1127 F34B2222N
X1128 F34B2222N
X1131 F34DA450G
X1132 F34DA450G
X1133 F34DA450G
K11L J10AB090N
RESET SW
LAMP REPLACEMENT MONITOR TIMER
ASSY, PWB, PRE AMP
AU1201 U20B07200 |U2R0003--
R1201 1/10GJ 100
D1201 DZD6.2 (Y|Z)
D1202 DZD6.2 (Y|Z)
K1201 J10EA 030N
TO AV K1004
TO AV K1104
TO AV K1054
K8Z
S-Y
S-C
AV1/AV2
S.SW
EXT SP
SP OUT
S5V
RC(WIRE)
12V
RESET
RC
AV1.L
AV1.R
AV2.L
AV2.R
MONITOR L-OUT
MONITOR R-OUT
MONI. VIDEO
K8D
K8A
K8C
SP901 VS0003PEB |VS0003PEA
K8B
SW905 S10B1260N
SW904 S10B1240N
(SET TO OPEN AT 55C)
(SET TO OPEN AT 80C)
S5V
TEMP. SENS
K8O
TO LAMP BALLAST K8NS
S5V
LAMP SENS
K8N
TO POW K6H
8V
POW FAIL
K8L
TO POW K6D
S12V
-8V
17V
5V
K8M
TO POW K6C
RELAY DRIV
POW FAIL
K8Q
PC802
K8T
K9T
TO LAMP BALLAST K901T (LAMP POW OFF)
ASSY, PWB, MAIN P4FA
TO BAISOKU K22J
K4J
TO MAIN K8A
V-SYNC
H-SYNK
K4E
K4A
K4C
K4D
K4F
K4I
K4B
K4G
K4H
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
T-CLK
CPU CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
RGB-MUTE
TB
D-STO
D-DATA
D-CLK
-8V
5V
15V
POW FAIL
BLKO
B-DSP
G-DSP
R-DSP
CLP1
CLP2
VT
VHBLK
HVBLK
COM
CLK BIAS
K8W
K8V
K8U
K8S
K8R
K8I
TO BAISOKU K22H
TO BAISOKU K22G
12V
R-Y
B-Y
Y
K8H
K8G
R-DSP
G-DSP
B-DSP
BLKO
K2B
BGP2
BGP3
VT
K2G
K41A
K41B
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5
BSH4
BSH3
BSH2
BSH1
B6
B5
B4
B3
B2
B1
R6
R5
R4
R3
R2
R1
G6
G5
G4
G3
G2
G1
K8J
5V
15V
POW FAIL
K2J
K8K
17V
-8V
K2K
K8P
SCL
SDA
VIDEO MUTE
CG/VIDEO
K2P
G
H
I
J
K
L
1
2
3
4
5
6
7
8


9
10
11
12
13
14
15
16
E
C
D
E
F
ASSY. PWB. POWER P4FA
1AA0B10C031F0
R LCD X
G LCD X
B LCD X
K6P X
K6M J30B 0250N
D622 X
D623 X
D624 X
D626 X
C627 X
C630 X
R638 X
R637 FJ2.7P
Q606 2SD1913 (RRA:SAA)
D616 EM01Z
D617 EM01Z
D618 EM01Z
D619 EM01Z
R636 1/2DJ330
C632 25EM 2200DT
C633 X
C634 16EM 1000T
C635 16EM 100T
D627
D621
D621/D627 RD6.8EB1 :UZ-6.8BCA
D601 M
DB601 RBV-408
T901 1AV4L50B07100
R606 X
R607 X
L603 LQ0002
C613 400EM 100XH
C608
C609
C611
C612
VA601 ENC471 D14A
R603 2WK3.9
C608/C609 C611/C612 1000KM1000AHD
RL601 S20B00300
K6L J30B 0250N
T901A Z21B 0090N
J601 X
K6B J30B 0250N
L901 1AV4L26B0241N
C603/C604 C606/C607 400KM1000XB :400KK1000XP
C606
C607
C603
C604
C602 X
R601 1/2CK 5.6MXG
R602 1/2CK 5.6MXG
K6I-2 8LSC029
L602 LQ0030
C601 275GM 0.47XB
L601 F3LQ0070
RC605 1/2DJ220K
C610 275GM0.1XB
K6A J30B 0250N
K6C J30B 0250N
ASSY. PWB. SUB. POWER P6GA 1AA0B10C087EB
VA2001 ENC471 D14A
K2001 J10B0230N
SW2001 S10B0670N
VA2001
F2000 4A250V TCSL
K2002 J10B0230N
(LIVE)
(NEUT)
NEUT (B)
LIVE (N)
L902 1AV4J1EK1841-
AC CORD 4AA4W10041K-- P4FA, P4FD
AC CORD 1AV4W11A00200 :1AV4W11B00100 P4FB
AC CORD 1AV4W11B00600 P4FC
L903 Z21B0090N
K7A J10EM020N
PWB, LAMP BALLAST P6GA
LP901
METAL HALIDE LAMP
PC701 X
24
25
C614 800HJ 0.01
R610 2SJ 82K
R609 2SJ 82K
C616 2000KK470 (AHH:CTB)
R611 2SJ 56
C616
R608 1/2DJ 180K
R612 1/2DJ 180K
D607 RU1P
D610 RU1P
R614 10K
D602 L
R613 22K
C617 FJ0.018 (BE1D)
R616 2SJ82
Q603 2SD 1710YB
R617 100
D603 ES1Z
R618 J
D604 RD12EB2 :UZ-12BCB
D606 L
R619 DG 2.2K
R621 2.2K
R622 1K
Q602 2SC 3070
Q601 Y
R623 10K
C618 FJ 0.01 (BE1D)
C619
C621
C619/C621 400KM1000XB :400KK1000XP
PC601 EL0202
T601 1AV4L51B0720N
D608 RU4YXLF-J3
C622 16EM 2200T
D609 FML12SLF-F
C623 25EM 4700DT
D611 EU1
C628 16EM 100T
D612 FML 12SLF-F
C629 10EM 4700DT
R627 10K
C631 HJ0.47
R629 270
R631 1K
R628 7.5K
VR601 R3C3202 5J
IC602 UPC 1093J
L604 L2E8151KN
VR601
+5.2V ADJ
K6J X
K6G J10EA 030N
TO MAIN K8Q
Q604 B
R633 10K
K6F J10EA 030N
FN901 M10B04100
(INTAKE FAN)
D614 M
R632 10K
K6E J10EA 030N
FN902 M10B04200
(EXHAUST FAN)
D605 M
D613 M
R643 2SJ1
+12V (750mA FAN)
R634 2SJ22
K6Q J10EA 030N
FN903 M10B05900
(INTAKE FAN)
D632/D631 RD7.5EB1 :UZ-7.5BCA
K6D J10EA 070N
TO MAIN K8M
STBY +13V
-8V
+17V
+5V


PWB, LAMP BALLAST P6GA
PC701
K70
J10EA030N
K78
J10EA030N
K8NS
K901T
TO MAIN
K8N
(LAMP SENS.)
TO MAIN
K9T
(LAMP POW OFF)
1AA0B10C091B0
ASSY, PWB, SCAN CHANGE
M6GA
K22J
K22H
K22G
K22A
5V
12V
R-Y
B-Y
Y
TO TH
K4J
TO MAIN
K8H
TO MAIN
K8G
R-DSP
G-DSP
B-DSP
BLKO
BGP2
BGP3
VT
VHBLK
HVBLK
COM
CLK BIAS
G1
G2
G3
G4
G5
G6
R1
R2
R3
R4
R5
R6
B1
B2
B3
B4
B5
B6
BSH1
BSH2
BSH3
BSH4
BSH5
BSH6
RSH1
RSH2
RSH3
RSH4
RSH5
RSH6
GSH1
GSH2
GSH3
GSH4
GSH5
GSH6
K2B
K2GA
K2H
K21B
K21A
K2G
5V
15V
K2J
POW FAIL
17V
-8V
K2K
SCL
SDA
VIDEO MUTE
CG/VIDEO
K2P
1AA0B10C13100
ASSY, PWB, SIGNAL P6GAB
9
10
11
12
13
14
15
16
G
H
I
J
K
L
P4F_A_01
97K

NOTES:

1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ".
2. RESISTORS SPECIFIED WIITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. TOP VIEW OF TR & IC.

TOP VIEW
N
1
E C B
B C E
LETTER SIDE
B C E
1 2 3
IC CASE OF TR
IN CASE OF IC

5. ISOLATION BOARDER LINE.

COLD SIDE
非充電部
HOT SIDE
充電部

(DIODE)

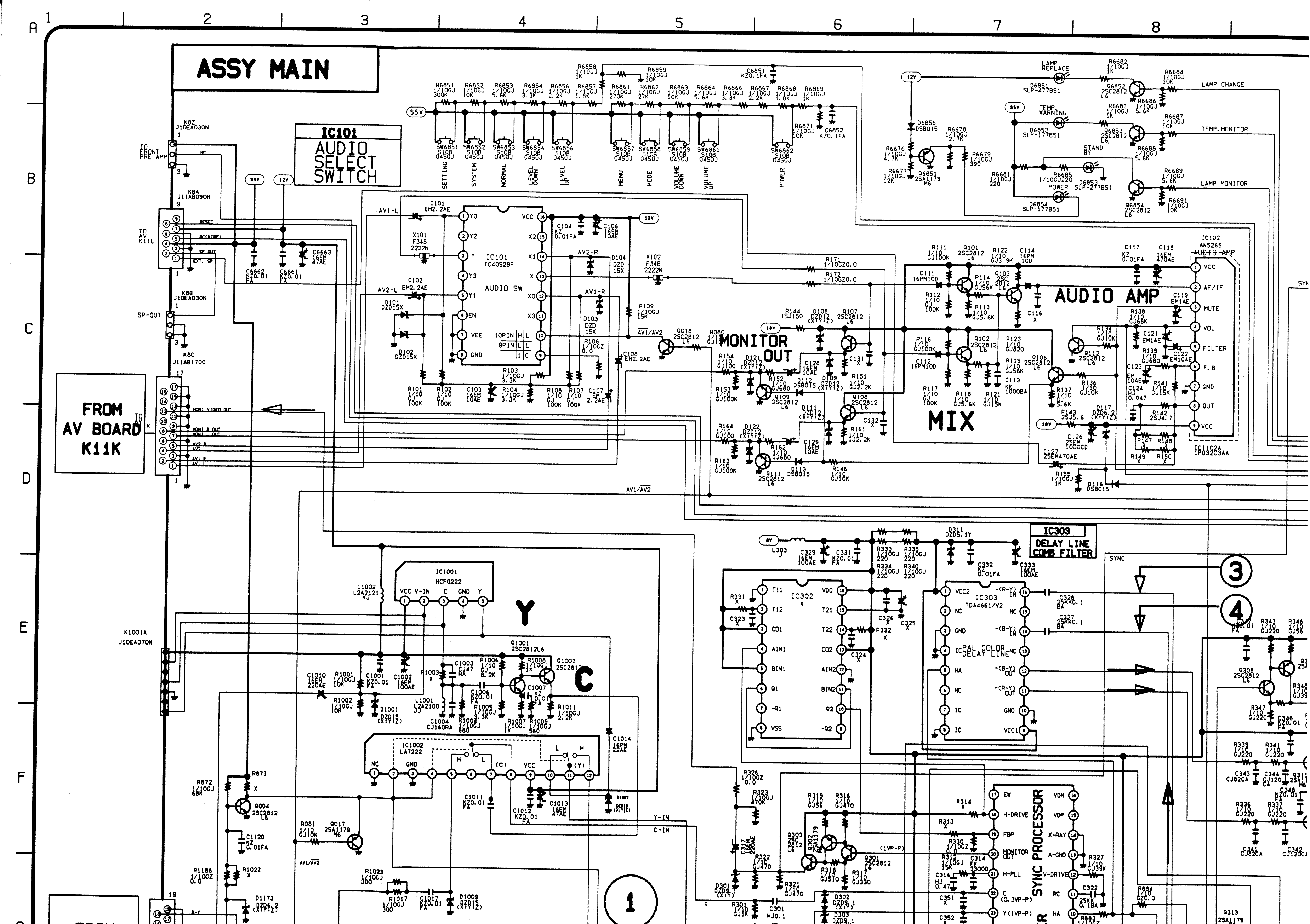
	代表コード	ダイオード名
無表示	7ED00181	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176
K	7E100007	1S1555, 1S2473, 1S2076, DS442
L	7E100028	1S1553, 1S2076A, 1S2471
M	7ED00025	1SS176, GMA01, 1SS133
N	7DD00020	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176, 1N4148
P	7DD00021	1S1553, 1S2076A, 1S2471, 1N4148

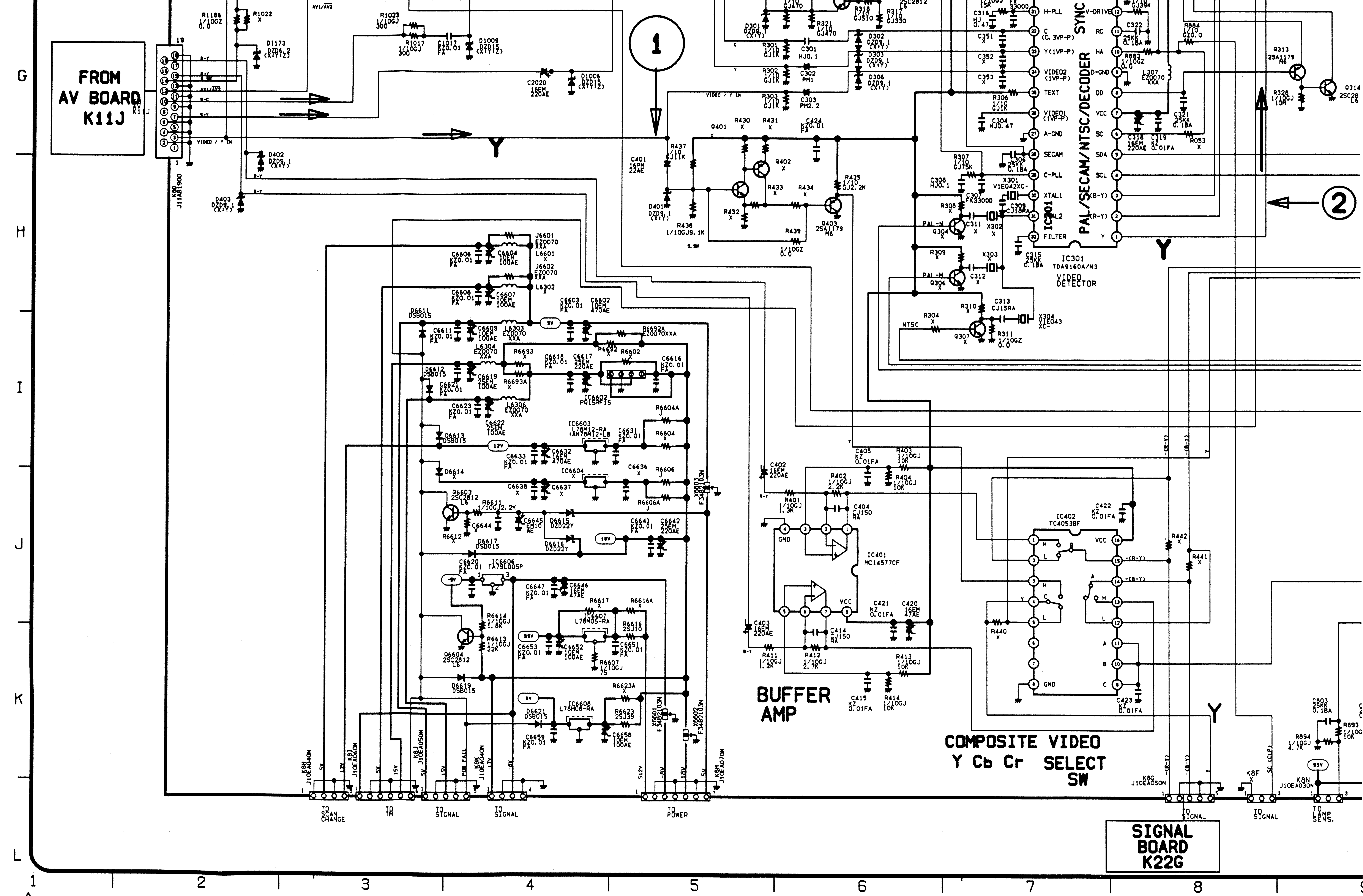
(NPN.TR)

	代表コード	2SC536	2SC945A	2SC1815	2SC1740	2SC1740S	KSC945C
B	7QT00083	E,F,G	P,Q,R	O,Y,G	Q,R,S		
D	7QT00128	F,G	P,Q	Y,G	Q,R,S		
F	7QT00168	F,G	P	G	R,S		
H	7TK00001	F,G	P,Q	Y,G	Q,R,S		Y,G
I	7TK00002	E,F,G	P,Q,R	O,Y,G	Q,R,S		Y,G
G	7TK00005	F,G	P	G	R,S		G

(PNP.TR)

	代表コード	2SA608	2SA564A	2SA1015	2SA933	2SA933S	KSA733C
Y	7QT00419	E,F	Q,R	O,Y,G	Q,R		
W	7QT00421	F	R	Y,G	R		
V	7TK00003	E,F	Q,R	O,Y,G	Q,R		Y,G
U	7TK00004	F	R	Y,G	R		G


ASSY MAIN
IC101
AUDIO SELECT SWITCH
IC101 TC4052BF
AUDIO SW
SETTING
SYSTEM
NORMAL
LEVEL DOWN
LEVEL UP
MENU
MODE
VOLUME DOWN
VOLUME UP
POWER
LAMP REPLACE
TEMP WARNING
STAND BY
POWER
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
TO FRONT PRE AMP
TO AV K11L
SP-OUT
FROM AV BOARD K11K
MONITOR OUT
MIX
AUDIO AMP
IC102 AN5265
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
IC1001 HCF0222
Y
C
IC1002 LA7222
IC303
DELAY LINE COMB FILTER
IC303 TDA4661/V2
PAL COLOR DELAY LINE
IC302
SYNC PROCESSOR
SYNC
Y-IN
C-IN
AV1/AV2
③
④
①


FROM AV BOARD K11J
Y
①
②
IC301 TDA9160A/N3
VIDEO DETECTOR
PAL/SECAM/NTSC/DECODER
SYNC
H-PLL
C (0.3VP-P)
Y(1VP-P)
VIDEO2 (1VP-P)
TEXT
VIDEO1 (1VP-P)
A-GND
SECAM
C-PLL
XTAL1
XTAL2
FILTER
V-DRIVE
RC
HA
D-GND
DD
VCC
SC
SDA
SCL
-(B-Y)
-(R-Y)
PAL-N
PAL-M
NTSC
Q304
Q306
Q307
Q313 2SA1179 M6
Q314 2SC2812 L6
Q401
Q402
Q403 2SA1179 M6
IC401 MC14577CF
BUFFER AMP
IC402 TC4053BF
COMPOSITE VIDEO Y Cb Cr SELECT SW
IC6602 PQ15RF15
IC6603 L78M12-RA AN78M12-LB
IC6604
IC6606 TA79L005P
IC6607 L78M05-RA
IC6608 L78M08-RA
Q6603 2SC2812 L6
Q6604 2SC2812 L6
5V
12V
18V
-8V
B5V
8V
K8H J10EA040N TO SCAN CHANGE
K8I J10EA060N TO TR
K8J J10EA050N TO SIGNAL
K8K J10EA040N TO SIGNAL
K8M J10EA070N TO POWER
K8G J10EA050N TO SIGNAL
K8F TO SIGNAL
K8N J10EA030N TO LAMP SENS.
SIGNAL BOARD K22G
K30 J11AB1900
G
H
I
J
K
L
1
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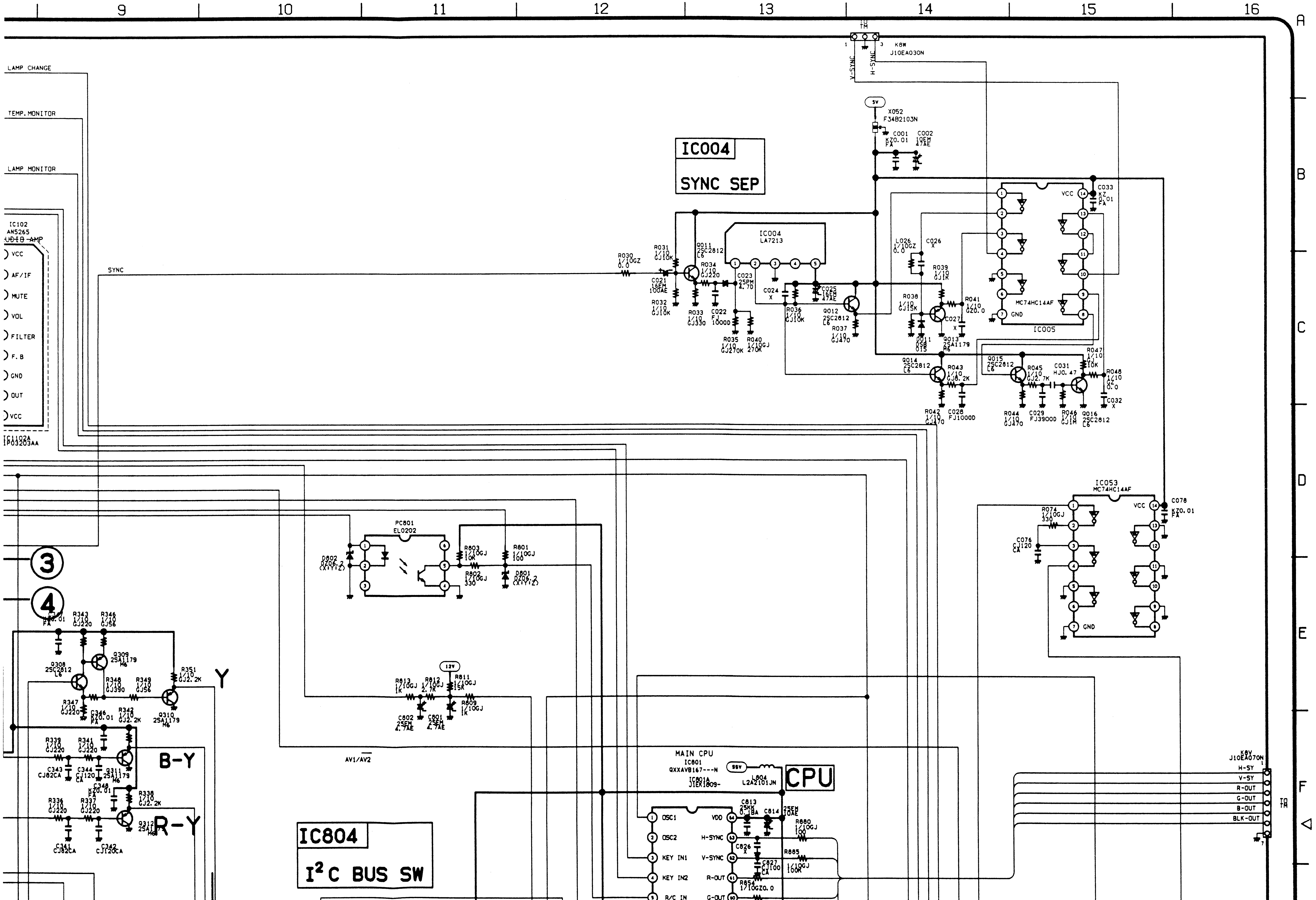
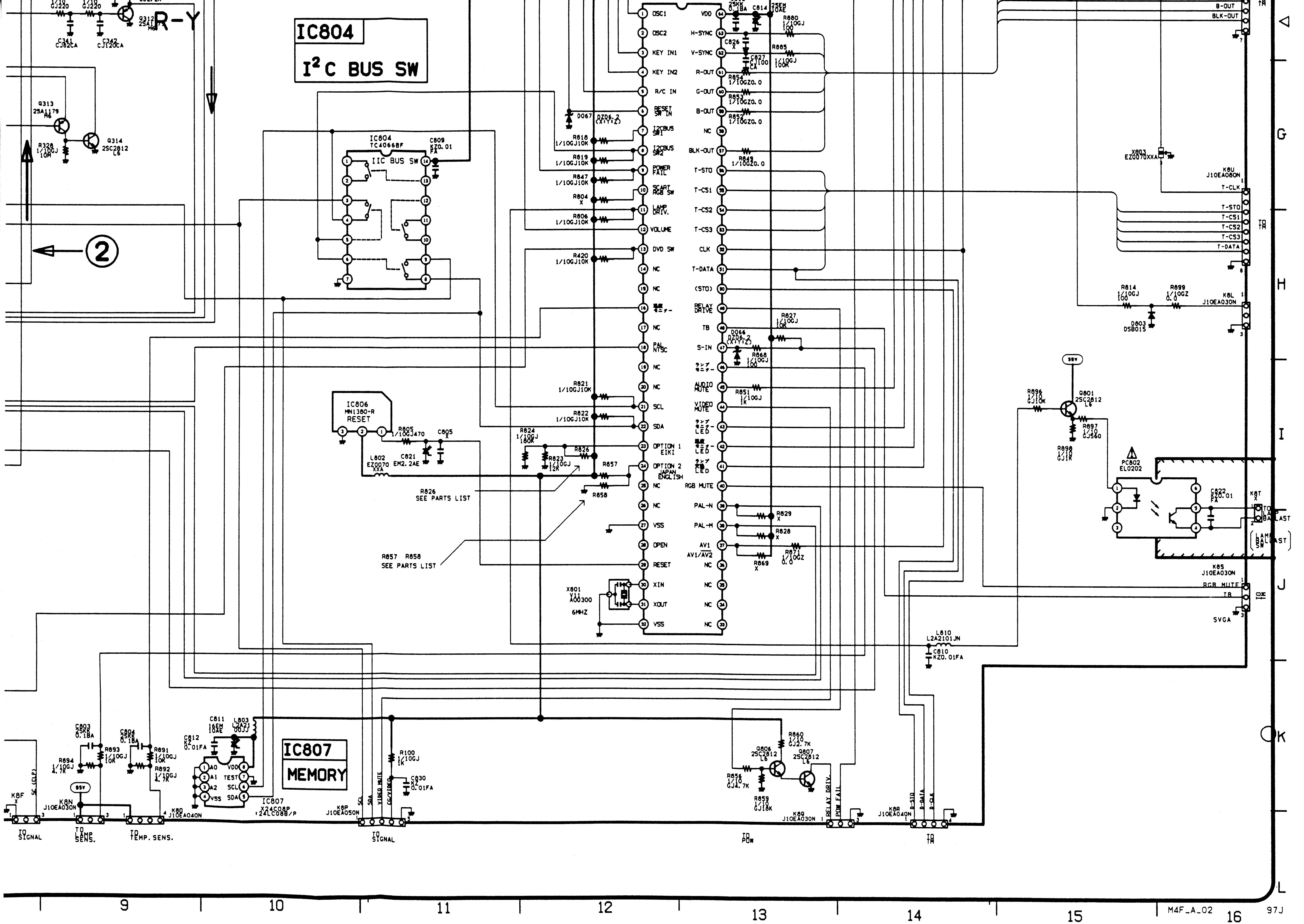
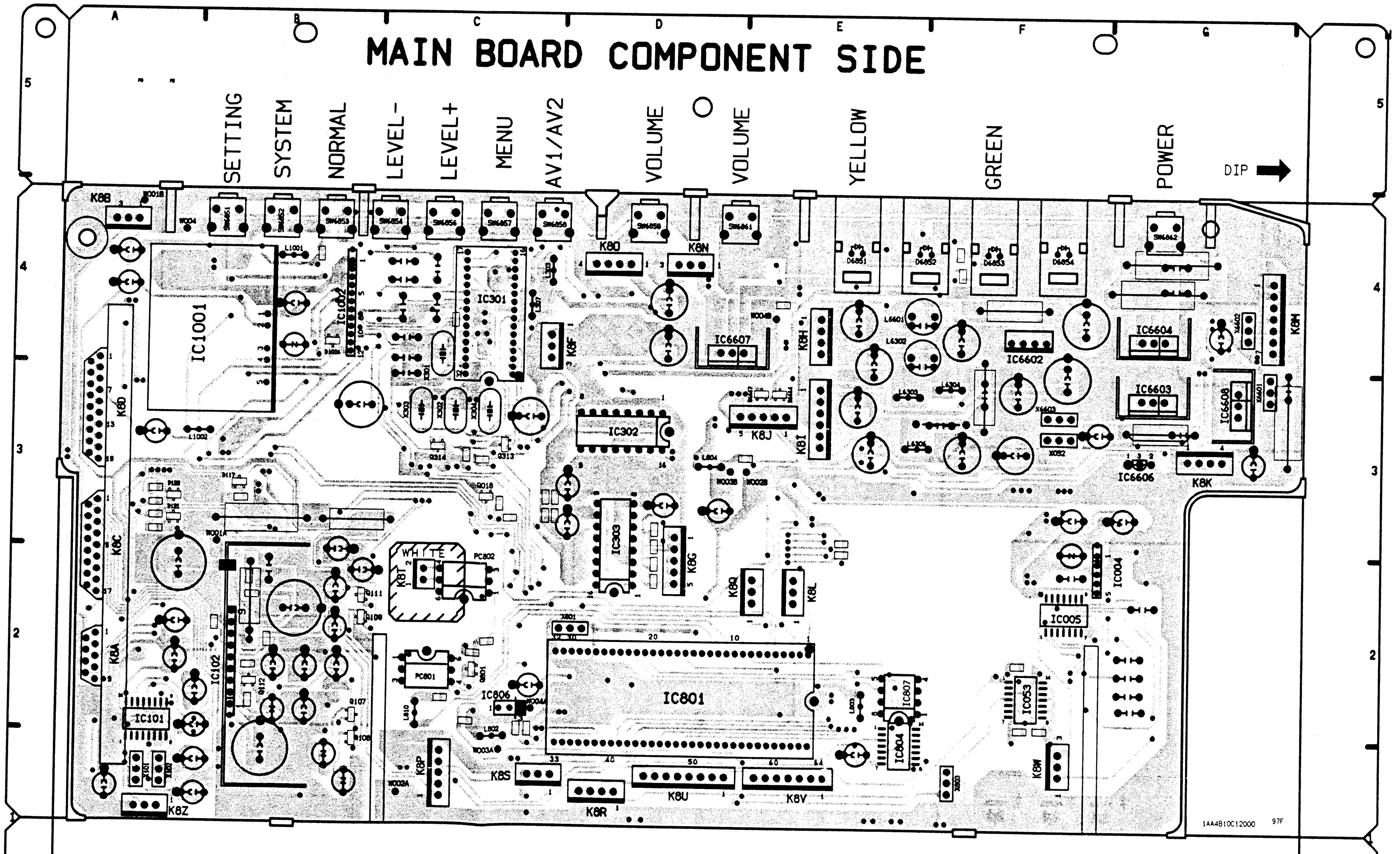
8


9
10
11
12
13
14
15
16
A
B
C
D
E
F
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
IC102
AN5265
UDIO AMP
VCC
AF/IF
MUTE
VOL
FILTER
F. B
GND
OUT
VCC
IC1102A
IP03203AA
SYNC
TO TM
K8W
J10EA030N
V-SYNC
H-SYNC
5V
X052
F34B2103N
C001 KZ0.01 FA
C002 10EM 47AE
IC004
SYNC SEP
IC004
LA7213
R030 1/10GZ 0.0
R031 1/10 GJ10K
Q011 2SC2812 L6
R034 1/10 GJ220
C021 16EM 100AE
R032 1/10 GJ10K
R033 1/10 GJ330
C022 FJ 1000D
C023 25PM 4.7D
R035 1/10 GJ270K
R040 1/10GJ 270K
C024 X
R036 1/10 GJ10K
C025 16EM 47AE
Q012 2SC2812 L6
R037 1/10 GJ470
L026 1/10GZ 0.0
C026 X
R039 1/10 GJ1K
R038 1/10 GJ15K
D011 DS8 015
Q013 2SA1179 M6
R041 1/10 GZ0.0
C027 X
MC74HC14AF
VCC
GND
IC005
C033 KZ 0.01 FA
Q014 2SC2812 L6
R043 1/10 GJ8.2K
R042 1/10 GJ470
C028 FJ1000D
Q015 2SC2812 L6
R045 1/10 GJ2.7K
C031 HJ0.47
R047 1/10 GJ 10K
R048 1/10 GZ 0.0
C032 X
R044 1/10 GJ470
C029 FJ3900D
R046 1/10 GJ1M
Q016 2SC2812 L6
PC801
EL0202
D802 DZ6.2 (X:Y:Z)
R803 1/10GJ 10K
R801 1/10GJ 100
R802 1/10GJ 330
D801 DZ6.2 (X:Y:Z)
IC053
MC74HC14AF
VCC
GND
R074 1/10GJ 330
C076 CJ120 CA
C078 KZ0.01 FA
③
④
C347 KZ0.01 FA
R343 1/10 GJ220
R346 1/10 GJ56
Q309 2SA1179 M6
Q308 2SC2812 L6
R351 1/10 GJ2.2K
Y
R348 1/10 GJ390
R349 1/10 GJ56
R347 1/10 GJ220
C346 KZ0.01 FA
R342 1/10 GJ2.2K
Q310 2SA1179 M6
12V
R813 1/10GJ 1K
R812 1/10GJ 2.7K
R811 1/10GJ 15K
R809 1/10GJ 1K
C802 25EM 4.7AE
C801 25EM 4.7AE
R339 1/10 GJ220
R341 1/10 GJ220
B-Y
C343 CJ82CA
C344 CJ120 CA
Q311 2SA1179 M6
C348 KZ0.01 FA
R338 1/10 GJ2.2K
AV1/AV2
R336 1/10 GJ220
R337 1/10 GJ220
Q312 2SA1 M6
R-Y
C341 CJ82CA
C342 CJ120CA
IC804
I²C BUS SW
MAIN CPU
IC801
QXXAVB167---N
IC801A
J1ER1809-
5SV
L804
L2A2101JN
CPU
C813 25KK 0.1BA
C814 25EM 10AE
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
R880 1/10GJ 100
C826 X
R885
C827 CJ100 CA
1/10GJ 100K
R854 1/10GZ0.0
K8V
J10EA070N
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
TO TA


IC804
I²C BUS SW
IC804
TC4066BF
IIC BUS SW
C809
KZ0.01
FA
R-Y
Q312
2SA1179
Q313
2SA1179
M6
Q314
2SC2812
L6
R328
1/10GJ
10M
C341
CJ82CA
C342
CJ120CA
CJ220
CJ220
②
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
DVD SW
NC
NC
温度モニター
NC
PAL NTSC
NC
NC
SCL
SDA
OPTION 1 EIKI
OPTION 2 JAPAN ENGLISH
NC
NC
VSS
OPEN
RESET
XIN
XOUT
VSS
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
NC
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STO)
RELAY DRIVE
TB
S-IN
ランプモニター
AUDIO MUTE
VIDEO MUTE
ランプモニターLED
温度モニターLED
ランプ交換LED
RGB MUTE
PAL-N
PAL-M
AV1 AV1/AV2
NC
NC
NC
NC
D067
DZ06.2
(X/Y/Z)
R818 1/10GJ10K
R819 1/10GJ10K
R847 1/10GJ10K
R804 X
R806 1/10GJ10K
R420 1/10GJ10K
R821 1/10GJ10K
R822 1/10GJ10K
R824 1/10GJ 180K
R823 1/10GJ 12K
R826
R857
R858
R826 SEE PARTS LIST
R857 R858 SEE PARTS LIST
X801
Y11
A00300
6MHZ
C814
25EM
10AE
25KK
0.1BA
C826 X
C827 CJ100 CA
R880 1/10GJ 100
R885 1/10GJ 100K
R854 1/10GZ0.0
R853 1/10GZ0.0
R852 1/10GZ0.0
R849 1/10GZ0.0
R827 1/10GJ 10K
D066 DZ06.2 (X/Y/Z)
R868 1/10GJ 100
R851 1/10GJ 1K
R829 X
R828 X
R871 1/10GZ 0.0
R869 X
IC806
MN1380-R
RESET
R805 1/10GJ470
C805 X
L802 EZ0070 XXA
C821 EM2.2AE
B-OUT
BLK-OUT
X803
EZ0070XXA
K8U
J10EA080N
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
TO TH
R814 1/10GJ 100
R899 1/10GZ 0.0
D803 DSB015
K8L J10EA030N
9SV
Q801 2SC2812 L6
R896 1/10 GJ10K
R897 1/10 GJ560
R898 1/10 GJ1K
PC802
EL0202
C822 KZ0.01 FA
K8T X
TO LAMP BALLAST
(LAMP BALLAST SW)
K8S J10EA030N
RGB MUTE
TB
TO TH
SVGA
L810 L2A2101JN
C810 KZ0.01FA
C803 25KK 0.1BA
C804 25KK 0.1BA
R893 1/10GJ 10K
R894 1/10GJ 4.7K
R891 1/10GJ 10K
R892 1/10GJ 4.7K
9SV
K8F X
SC (CLP)
K8N J10EA030N
K8O J10EA040N
TO SIGNAL
TO LAMP SENS.
TO TEMP. SENS.
C811 16EM 10AE
L803 L2A2100JJ
C812 KZ 0.01FA
A0
A1
A2
VSS
VDD
TEST
SCL
SDA
IC807 X24C08P / 24LC08B/P
IC807
MEMORY
R100 1/10GJ 1K
C830 KZ 0.01FA
K8P J10EA050N
SCL
SDA
VIDEO MUTE
CG/VIDEO
TO SIGNAL
R860 1/10 GJ2.7K
Q806 2SC2812 L6
Q807 2SC2812 L6
R856 1/10 GJ4.7K
R859 1/10 GJ18K
K8Q J10EA030N
RELAY DRIV
POW FAIL
TO POW
K8R J10EA040N
R-STO
R-DATA
R-CLK
TO TH
G
H
I
J
K
L
9
10
11
12
13
14
15
16
M4F_A_02
97J

① MODEL PLV-20E/20B
Service Ref.No. PLV-20E00/20B00

COMPONENT AND TESTPOINT LOCATIONS
(See Parts Address List)


MAIN BOARD COMPONENT SIDE
A
B
C
D
E
F
G
5
4
3
2
SETTING
SYSTEM
NORMAL
LEVEL-
LEVEL+
MENU
AV1/AV2
VOLUME
VOLUME
YELLOW
GREEN
POWER
DIP
K8B
K8O
K8N
IC1001
IC1002
IC301
K8F
IC6607
K8H
IC6602
IC6604
K8M
IC6603
IC6608
K8I
K8J
IC302
IC6606
K8K
K8D
K8C
IC303
K8G
K8Q
K8L
IC004
IC005
K8T
WHITE
PC802
K8A
IC102
IC101
PC801
IC806
IC801
IC807
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K8R
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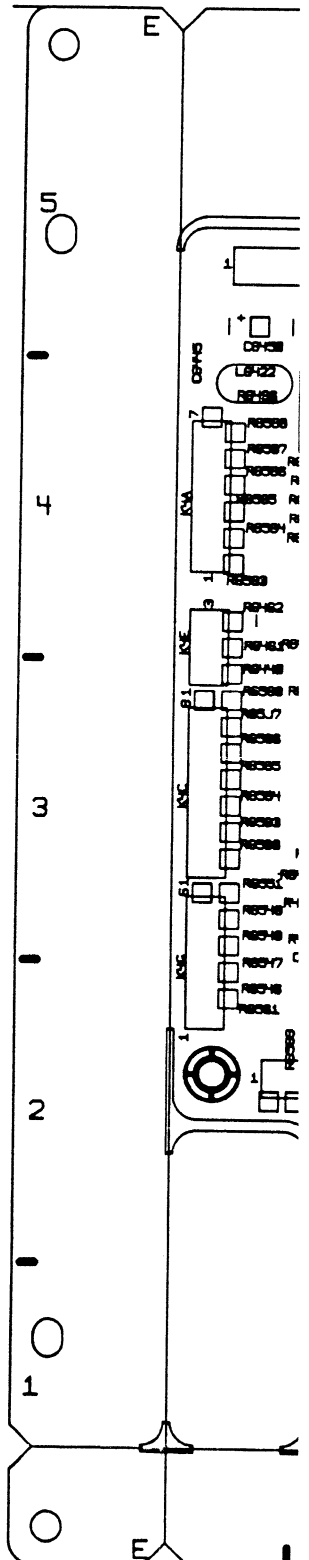
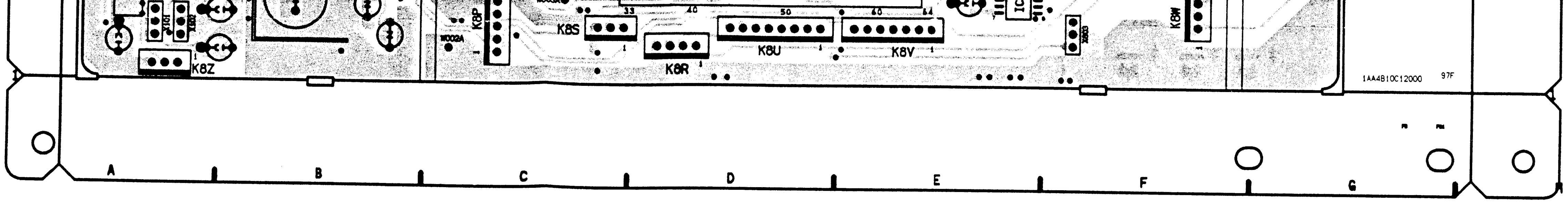
K8V
K8Z
1AA4B10C12000 97F

TM


E
5
4
3
2
1
E
K9A
K9E
K9C
K9G


K8Z
K8S
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K8V
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G
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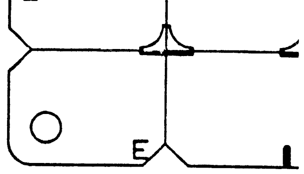
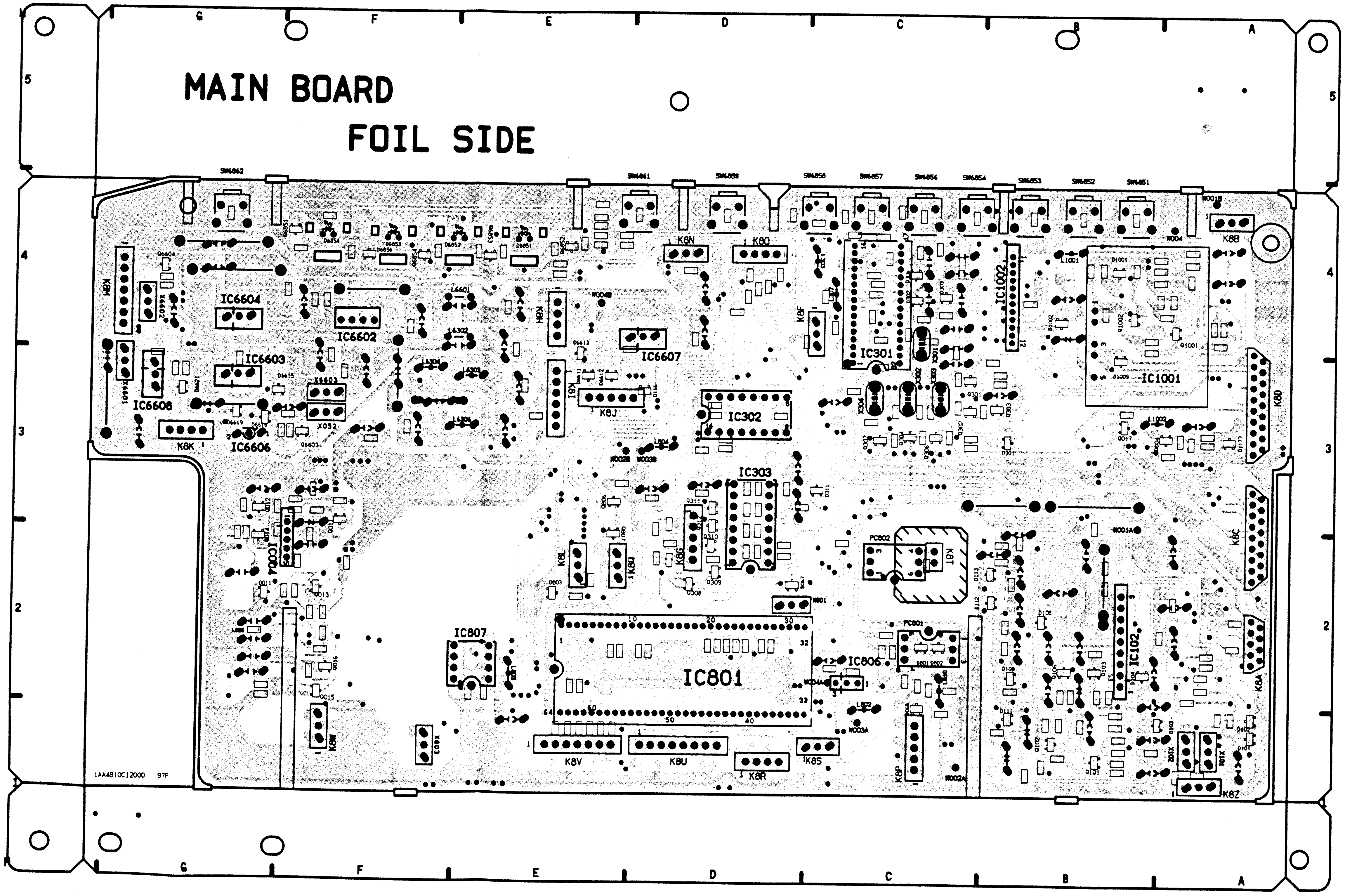


MAIN BOARD FOIL SIDE


G
F
E
D
C
B
A
5
4
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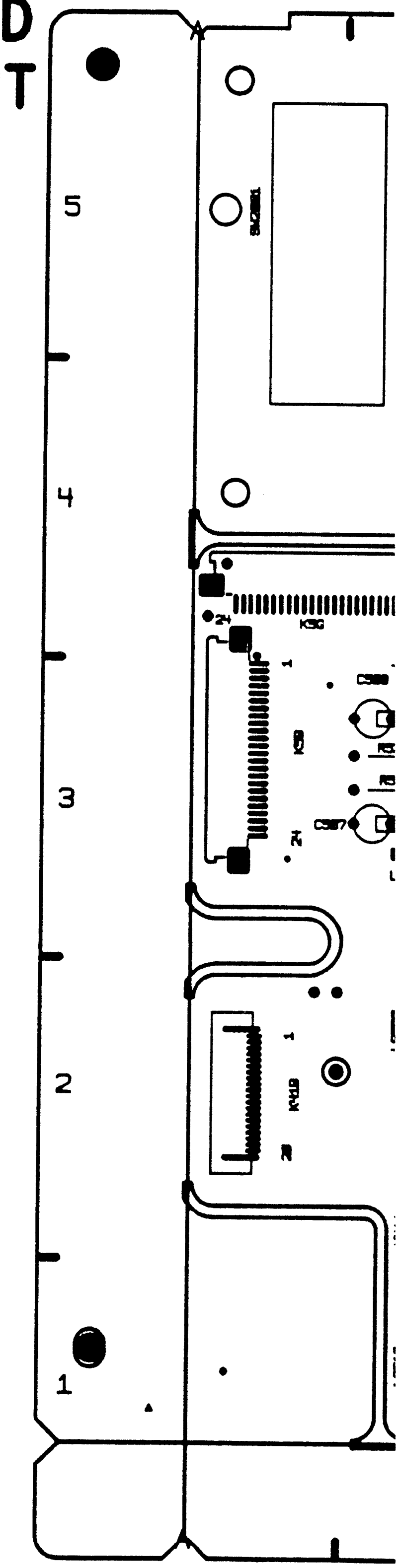
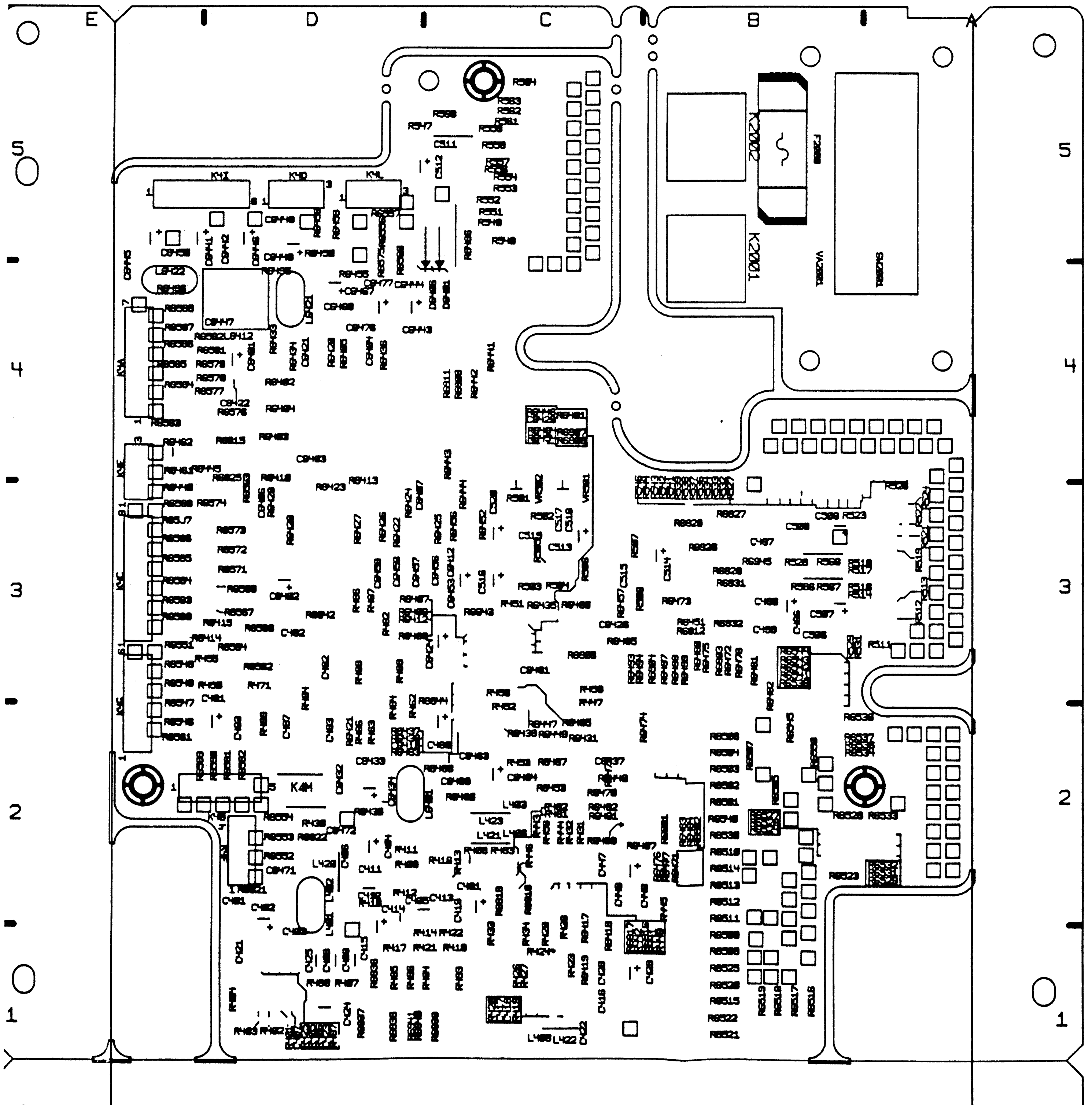
2
IC6604
IC6602
IC6603
IC6607
IC6608
IC6606
IC302
IC301
IC1002
IC1001
IC303
IC807
IC801
IC806
IC102
PC802
PC801
K8W
K8K
K8N
K8O
K8B
K8H
K8I
K8J
K8F
K8D
K8C
K8A
K8L
K8Q
K8G
K8T
K8V
K8U
K8R
K8S
K8P
K8Z
X603
1AA4B10C12000 97F

SUB POWER BOARD COMPONENT SIDE


5
4
3
2
1
K5G
K41B

TM BOARD FOIL SIDE

SUB POWER BOARD FOIL SIDE


E
D
C
B
A
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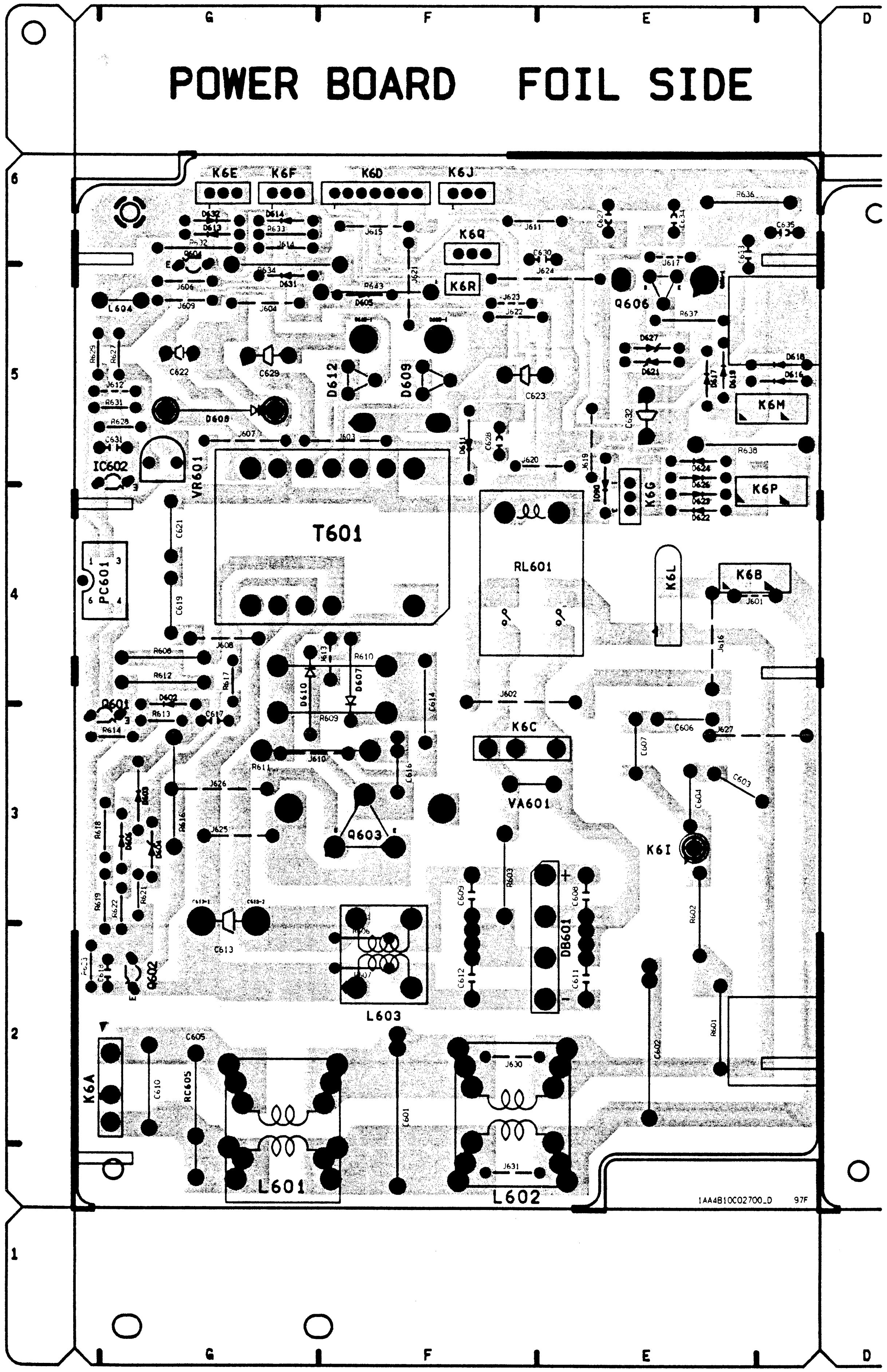
4
3
2
1
K2002
K2001
F2001
VA2001
SU2001
K4I
K4D
K4L
K4H
K4A
K4E
K4C
K4G
L422
L423
L421
L420
L403
L402
C511
C512
C513
C514
C515
C516
C517
C518
R504
R503
R502
R508
R509

POWER BOARD FOIL SIDE


G
F
E
D
C
6
5
4
3
2
1
K6E
K6F
K6D
K6J
K6Q
K6R
K6M
K6P
K6G
K6B
K6L
K6C
K6I
K6A
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RL601
VA601
DB601
IC602
VR601
PC601
Q601
Q602
Q603
Q606
D608
D609
D610
D607
D612
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C605
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J631
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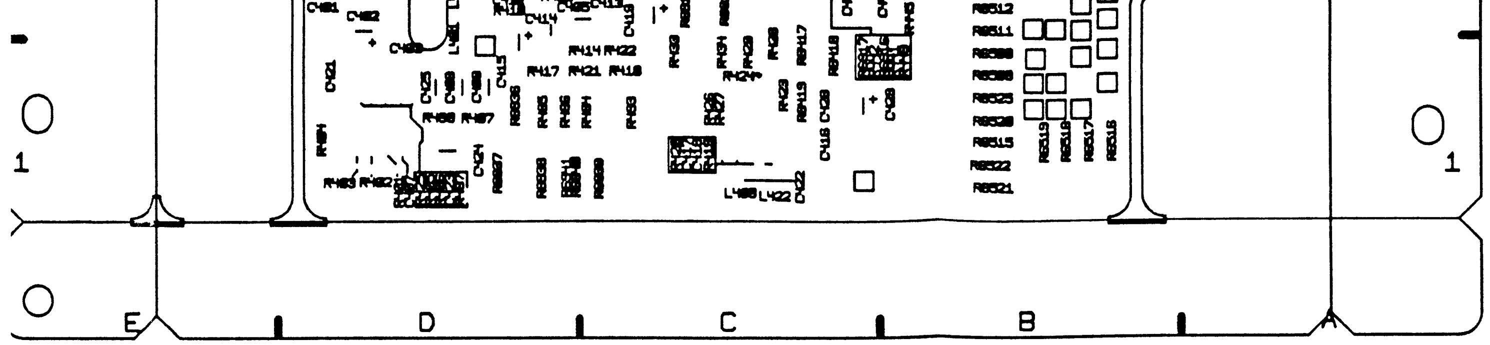
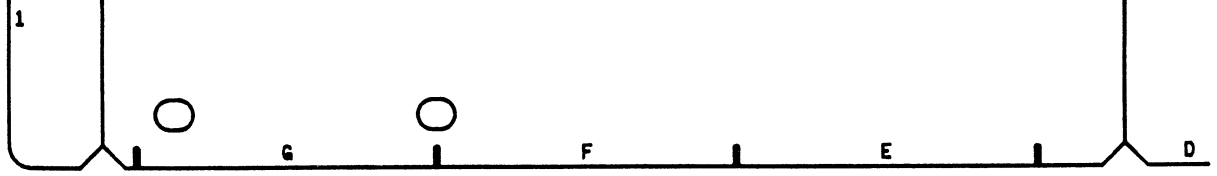
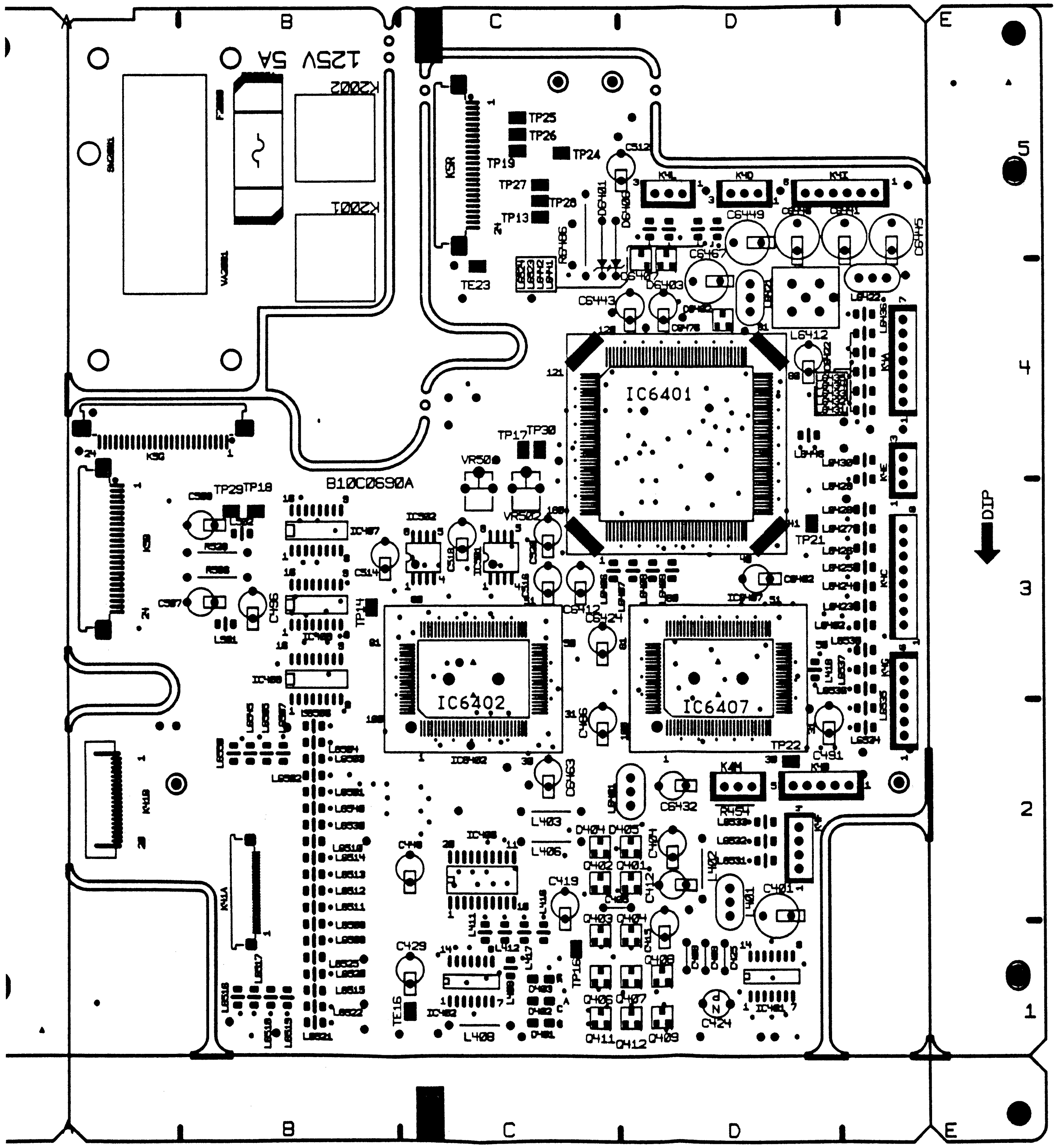




ER

TM BOARD COMPONENT SIDE


B
C
D
E
125V 5A
K2002
K2001
K5R
TP25
TP26
TP24
TP19
TP27
TP28
TP13
TE23
K4G
K4D
K4I
C6449
C6445
C6467
C6443
C6403
L6412
IC6401
K50
K30
TP17
TP30
VR50
VR502
B10C0690A
TP29
TP18
IC6402
IC6407
TP21
TP22
C6412
C6424
C491
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K4J
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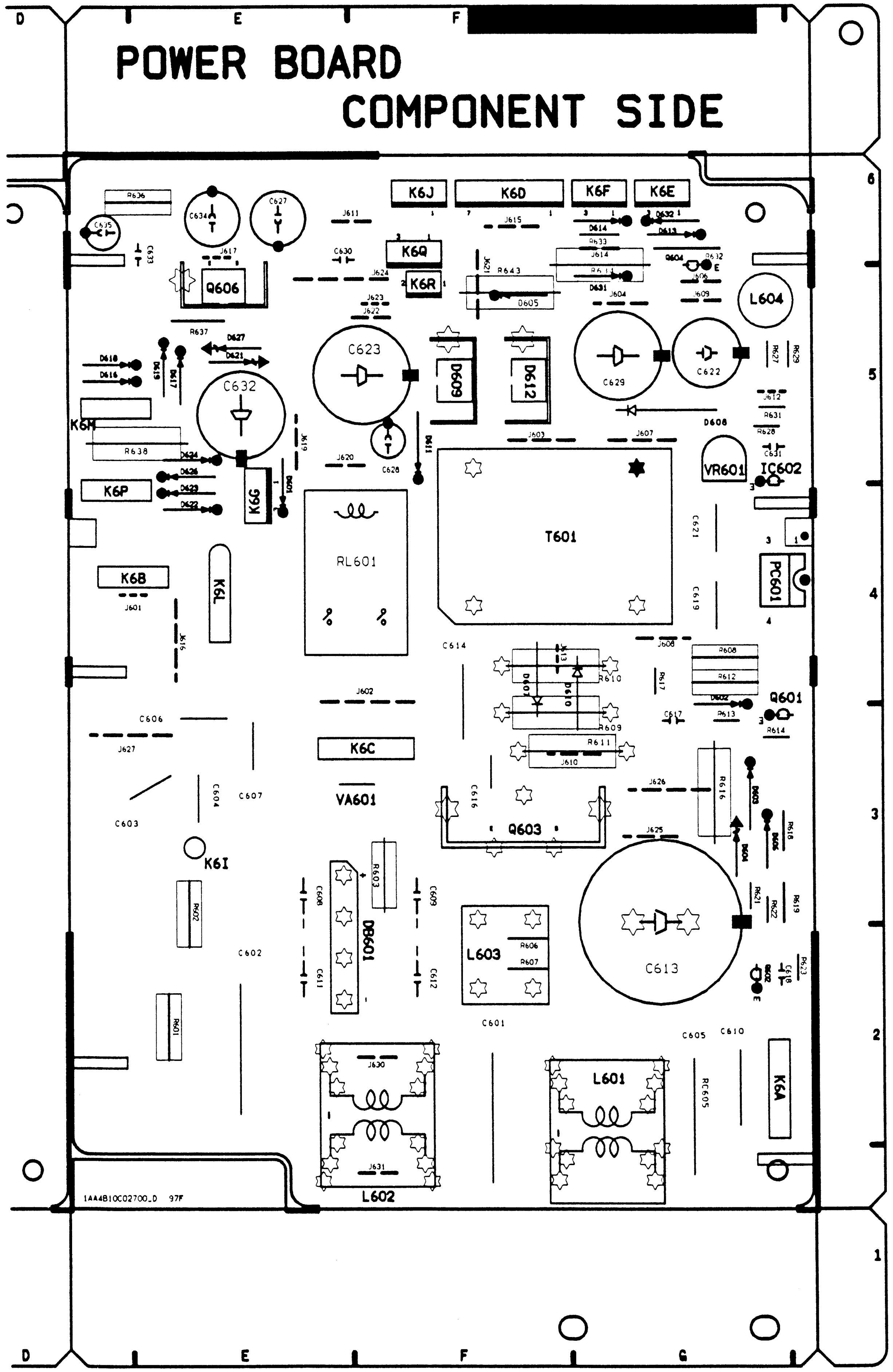
C404
C405
C402
C401
C419
C403
C406
C407
C408
C411
C412
C409
C424
C429
TE16
L408
K41A
K41B
TP14
TP16
DIP
5
4
3
2
1

POWER BOARD COMPONENT SIDE


D
E
F
G
K6J
K6D
K6F
K6E
K6Q
K6R
Q606
L604
C623
C632
D609
D612
C629
C622
K6H
K6P
K6G
VR601
IC602
RL601
T601
K6B
K6L
PC601
Q601
K6C
VA601
Q603
K6I
D8601
L603
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L601
L602
K6A
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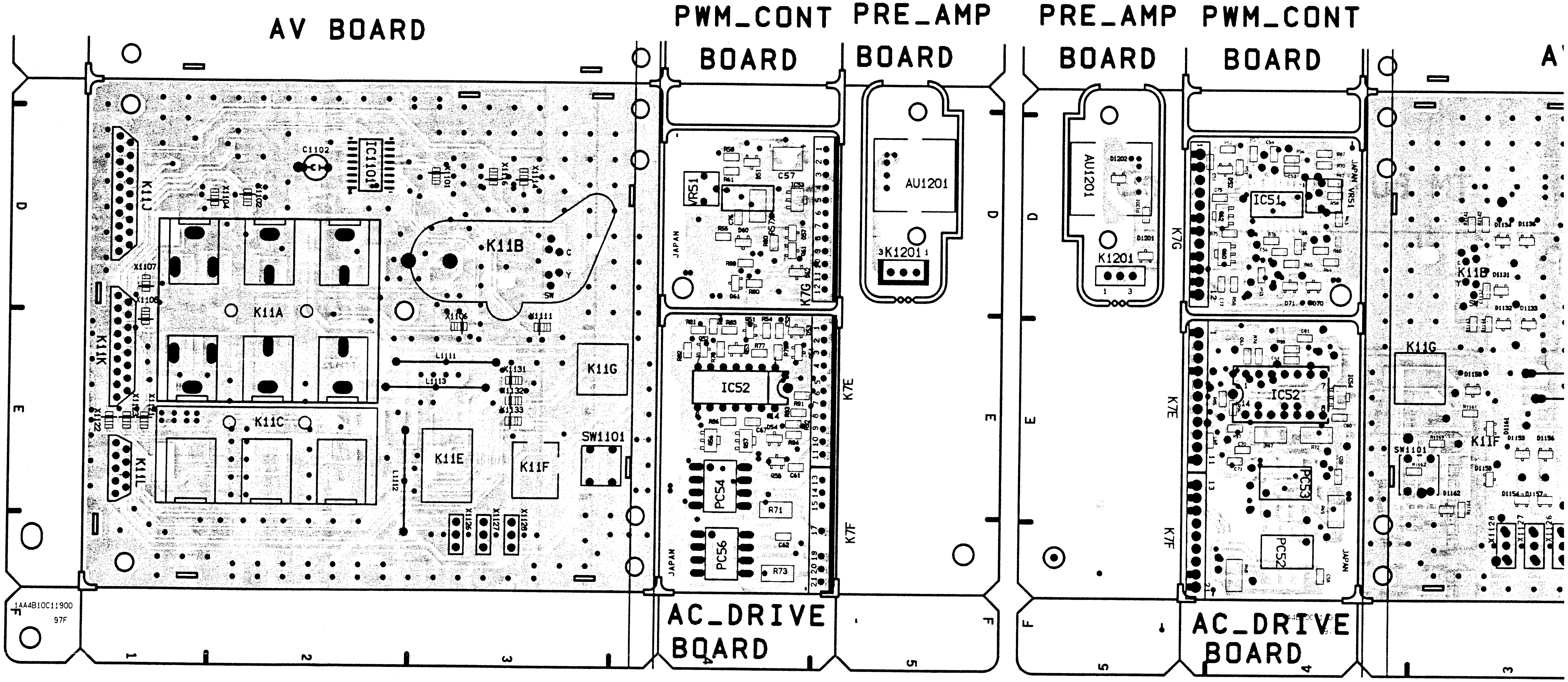
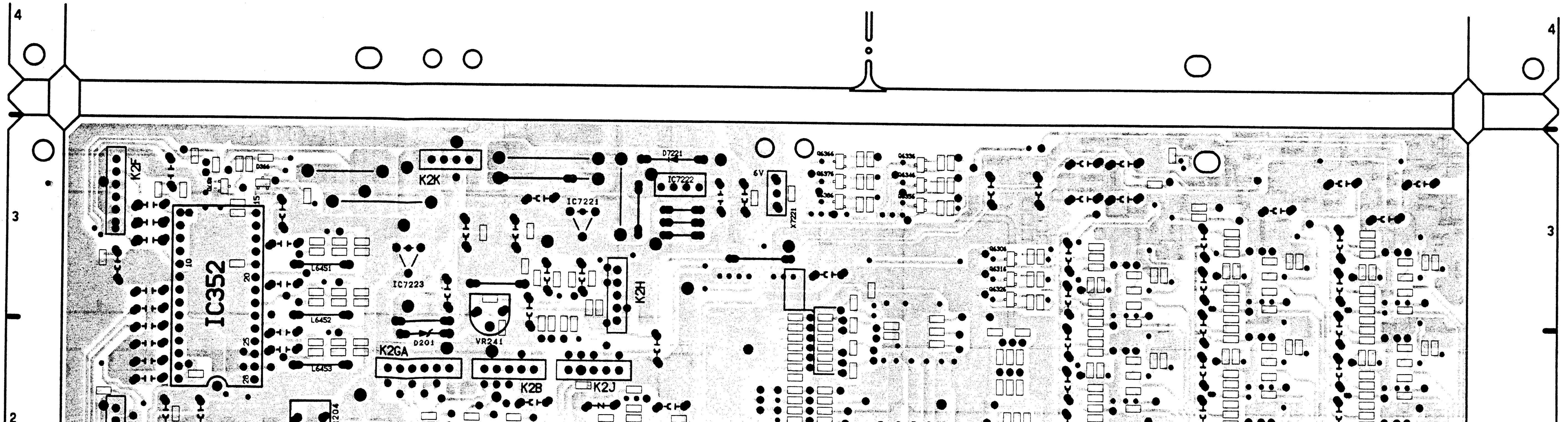
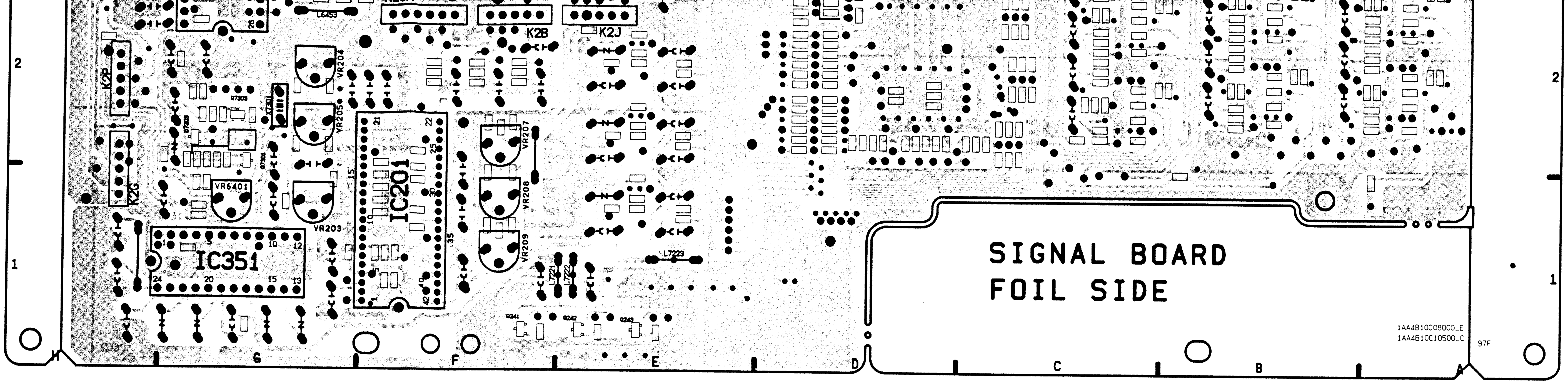
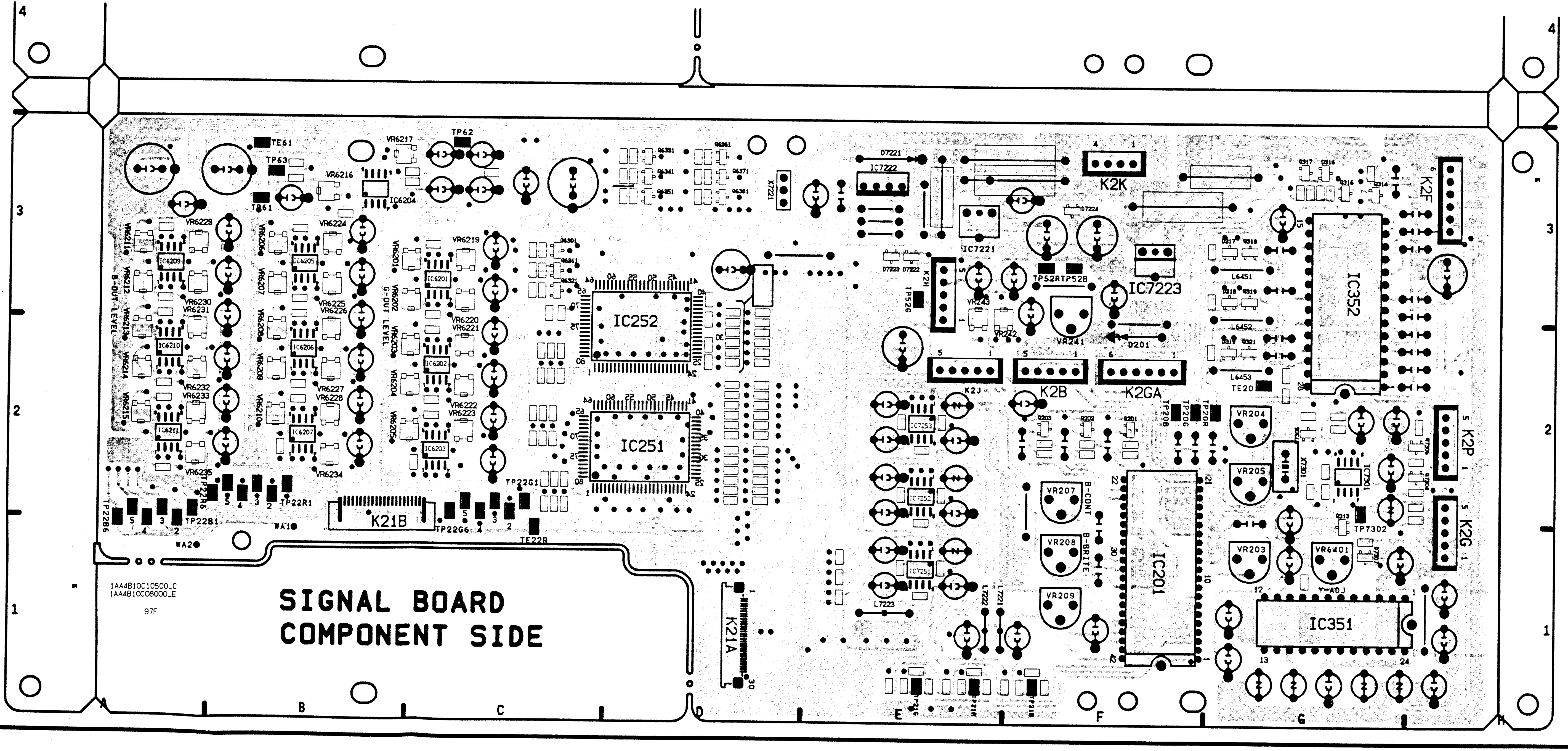
2
1

COMPONENT SIDE FOIL SIDE


AV BOARD
PWM_CONT BOARD
PRE_AMP BOARD
PRE_AMP BOARD
PWM_CONT BOARD
AC_DRIVE BOARD
AC_DRIVE BOARD
K11J
K11K
K11L
K11A
K11B
K11C
K11E
K11F
K11G
SW1101
IC1101
C1102
X1107
X1108
X1126
X1127
X1128
L1111
L1112
L1113
X1131
X1132
X1133
VR51
C57
IC52
PC54
PC56
R71
R73
K7G
K7E
K7F
AU1201
K1201
IC51
PC53
PC52
JAPAN
1AA4B10C11900
97F
D
E
F
1
2
3
4
5

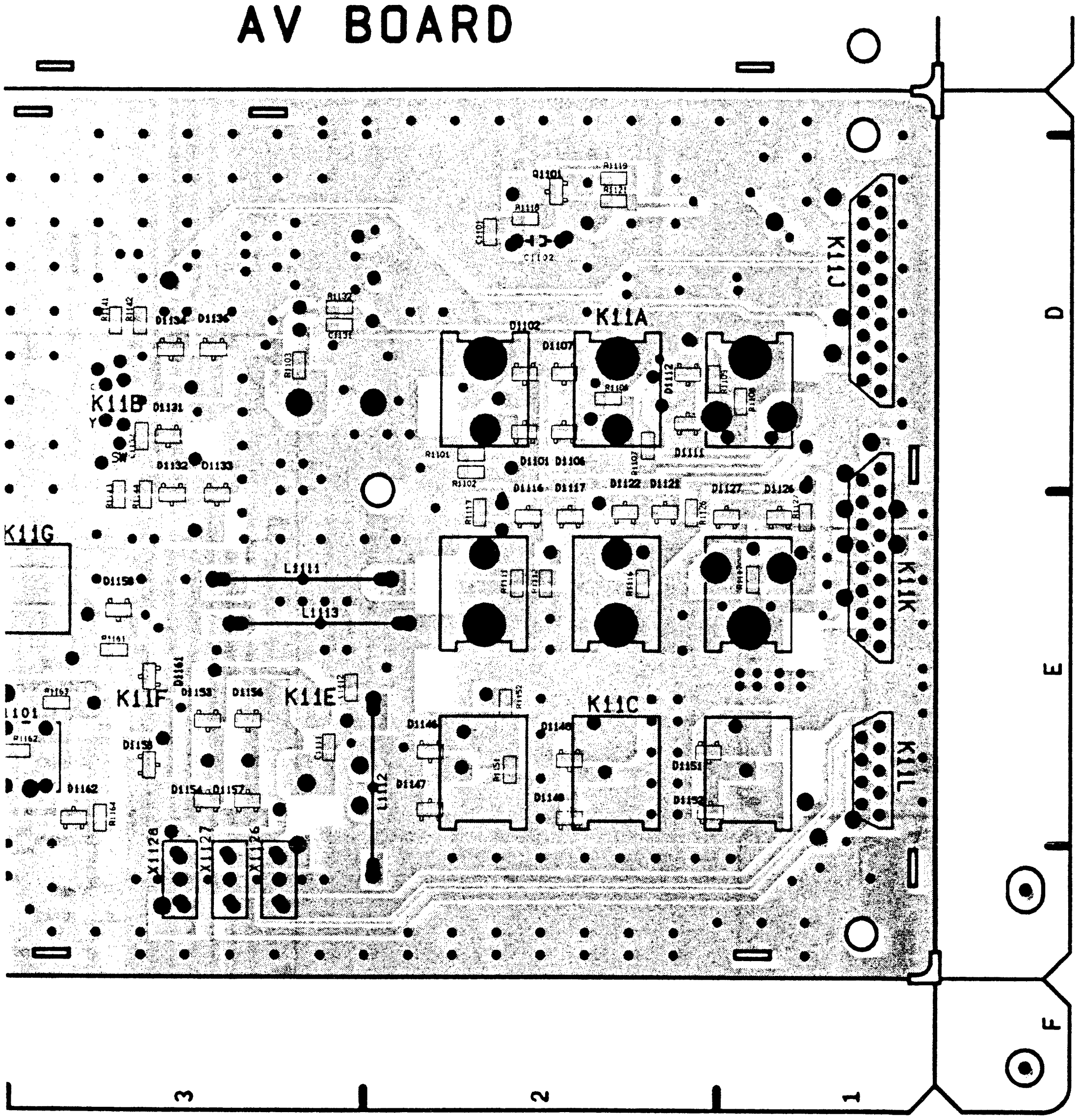

K2F
IC352
L6451
L6452
L6453
IC7223
D201
VR241
K2GA
K2B
K2J
K2K
K2H
D7221
IC7222
IC7221
X7221
6V
4
3
2


SIGNAL BOARD
FOIL SIDE
IC351
IC201
VR6401
VR203
VR204
VR205
VR206
VR207
VR209
K2P
K2G
K2B
K2J
L6453
L7223
L7221
L7222
Q241
Q242
Q243
1AA4B10C08000_E
1AA4B10C10500_C
97F
H
G
F
E
D
C
B
A
1
2


SIGNAL BOARD
COMPONENT SIDE
1AA4B10C10500_C
1AA4B10C08000_E
97F
IC252
IC251
IC352
IC201
IC351
IC7223
IC7221
IC7222
IC6201
IC6202
IC6203
IC6204
IC6205
IC6206
IC6207
IC6209
IC6210
IC6211
IC7251
IC7252
IC7253
K21B
K21A
K2K
K2F
K2P
K2G
K2H
K2J
K2B
K2GA
VR204
VR205
VR203
VR6401
VR207
VR208
VR209
VR241
VR242
VR243
VR6216
VR6217
VR6219
VR6220
VR6221
VR6222
VR6223
VR6224
VR6225
VR6226
VR6227
VR6228
VR6229
VR6230
VR6231
VR6232
VR6233
VR6234
VR6235
B-OUT LEVEL
G-OUT LEVEL
B-CONT
B-BRITE
Y-ADJ
TP62
TP63
TE61
TE61
TE20
TE22R
TP22B1
TP22B6
TP22R1
TP22R6
TP22G1
TP22G6
TP52R
TP52B
TP52G
TP20B
TP20G
TP20R
TP7302
D201
D7221
L6451
L6452
L6453
L7223
L7221
L7222
X7221
WA1
WA2
A
B
C
D
E
F
G
H
1
2
3
4

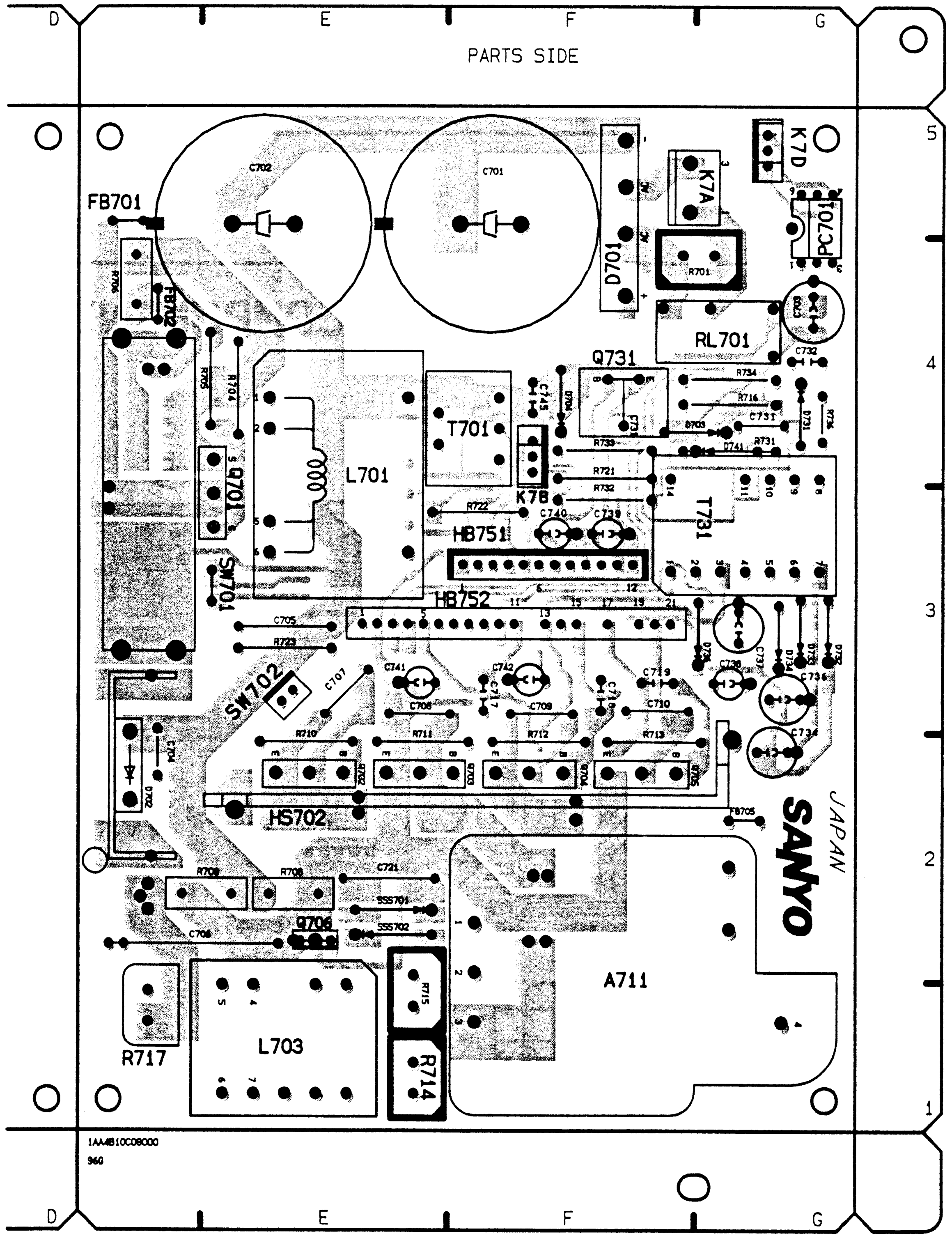
SIDE

AV BOARD

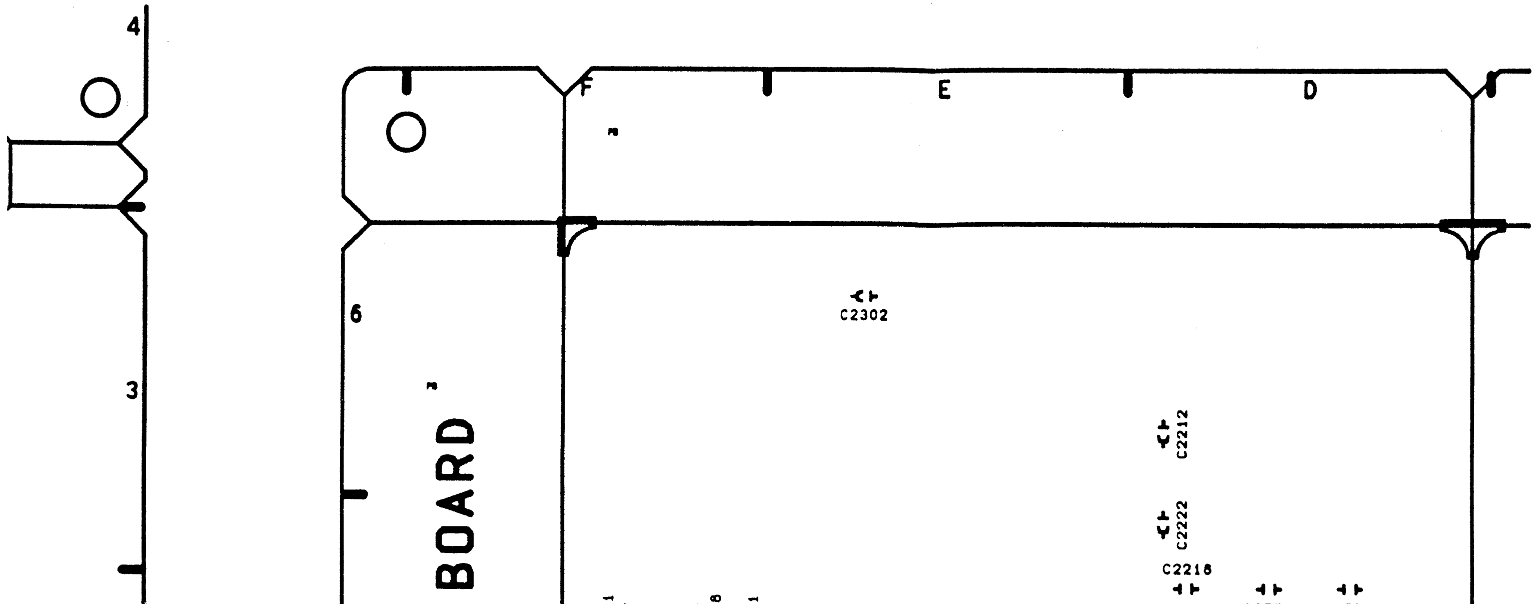


K11A
K11B
K11C
K11E
K11F
K11G
K11J
K11K
K11L
K1126
L1111
L1113
L1112
D
E
F
3
2
1

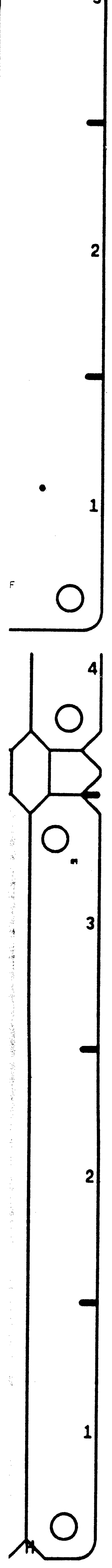
LAMP BALLAST BOARD
COMPONENT SIDE



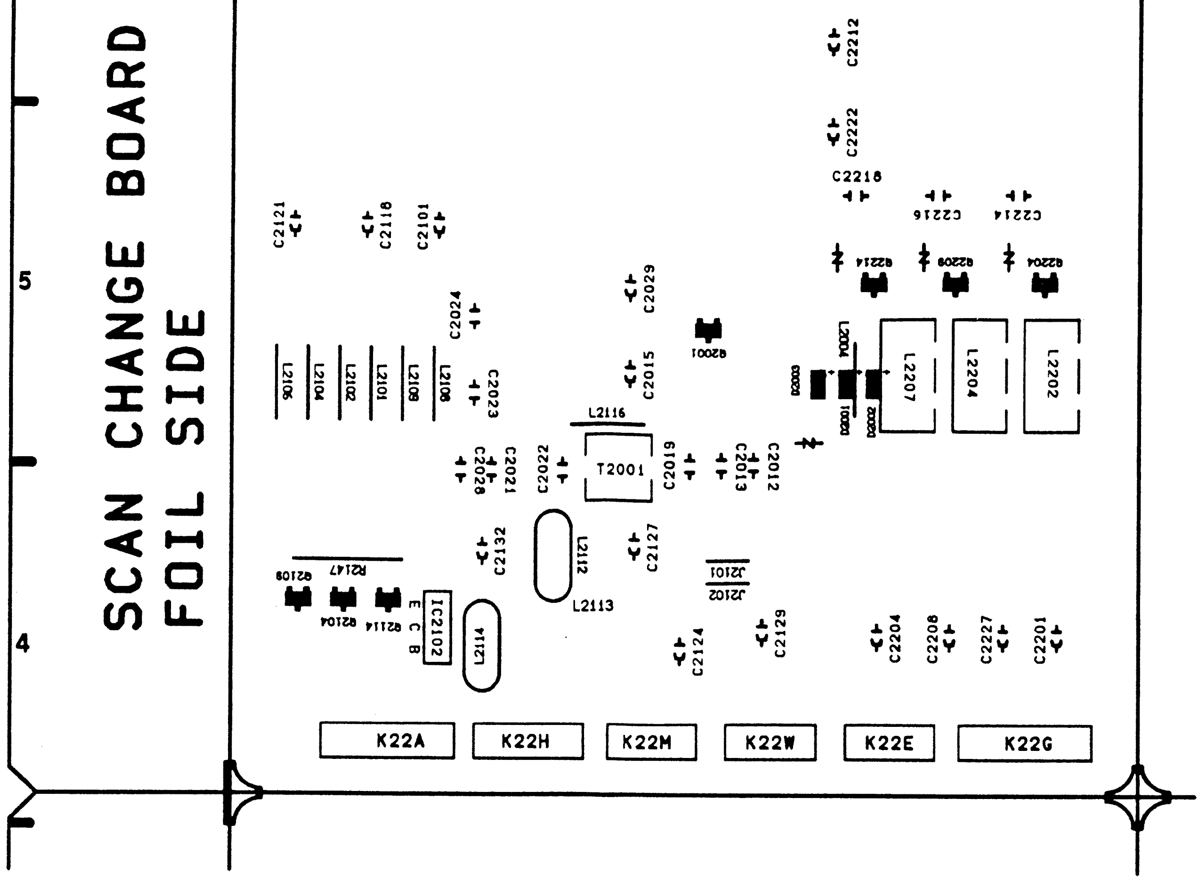
PARTS SIDE
D
E
F
G
5
4
3
2
1
FB701
FB702
C702
C701
D701
K7A
K7D
PC701
R701
RL701
Q731
T701
L701
Q701
K7B
C740
C739
HB751
T731
SW701
HB752
C705
R723
SW702
C707
C741
C742
C706
C709
C719
C710
C738
C733
C736
C734
R710
R711
R712
R713
HS702
FB705
SANYO
JAPAN
R709
R708
C721
SS5701
SS5702
Q706
C708
R715
A711
R717
L703
R714
1AA4B10C08000
96G



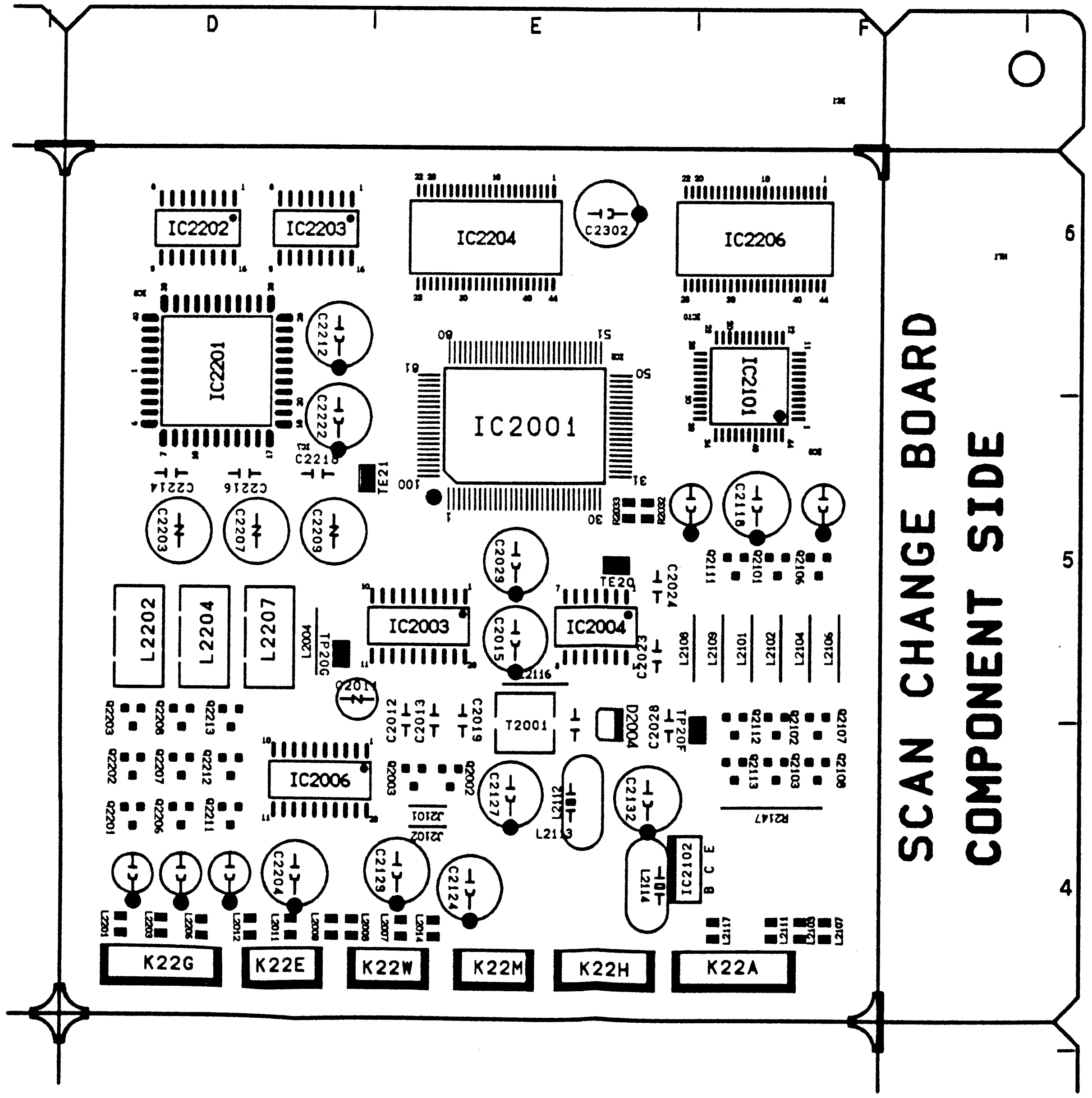
4
3
F
E
D
6
BOARD
C2302
C2212
C2222
C2218

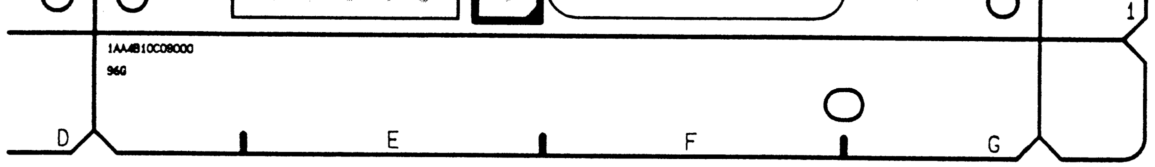


SCAN CHANGE BOARD FOIL SIDE

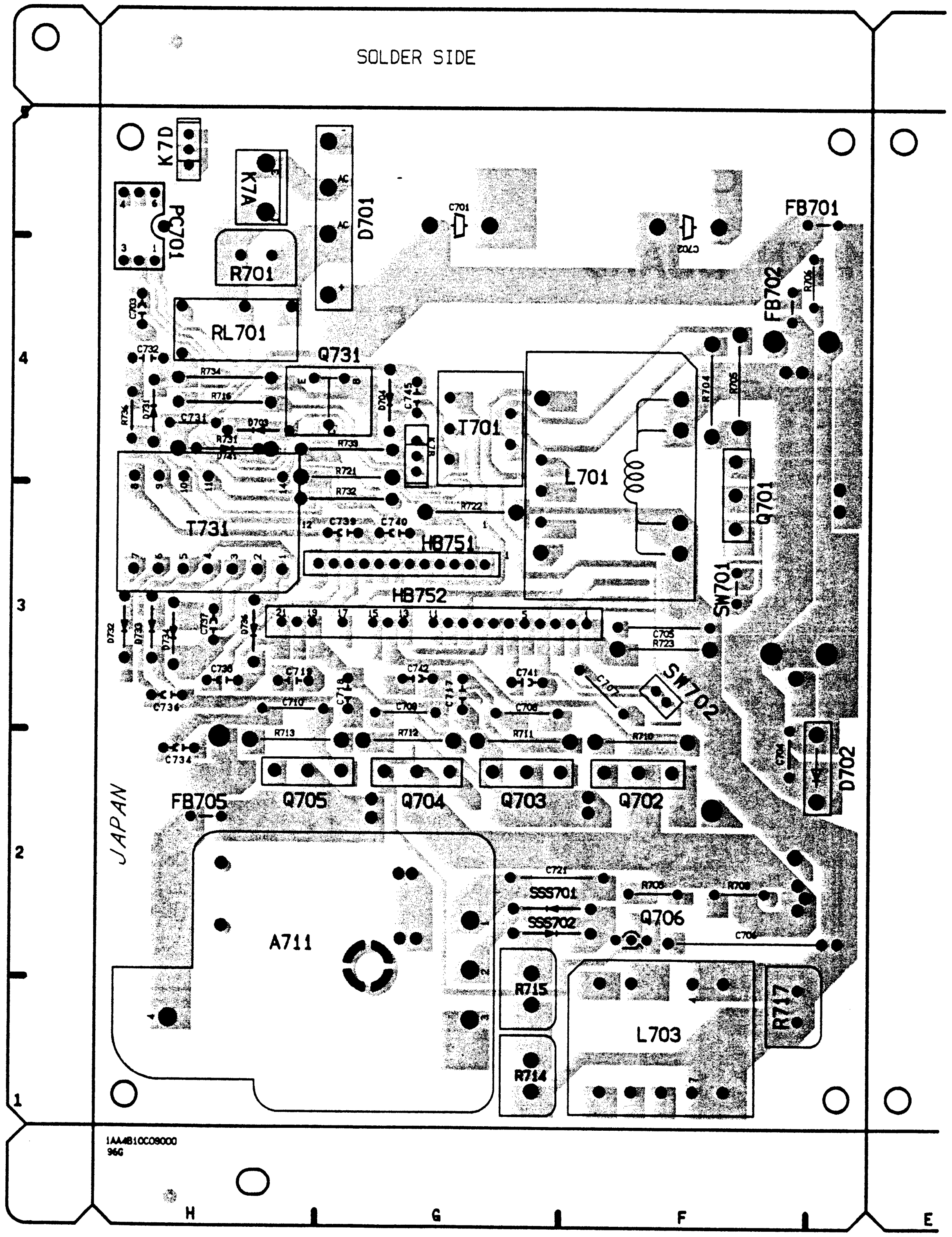

5
4
K22A
K22H
K22M
K22W
K22E
K22G
T2001
L2116
L2112
L2113
L2114
IC2102
R2147
J2101
J2102
L2207
L2204
L2202

SCAN CHANGE BOARD COMPONENT SIDE


D
E
F
6
5
4
IC2202
IC2203
IC2204
IC2206
IC2201
IC2001
IC2101
IC2003
IC2004
IC2006
IC2102
T2001
L2202
L2204
L2207
C2302
C2212
C2222
C2214
C2216
C2203
C2207
C2209
C2029
C2015
C2118
C2127
C2132
C2204
C2129
C2124
K22G
K22E
K22W
K22M
K22H
K22A

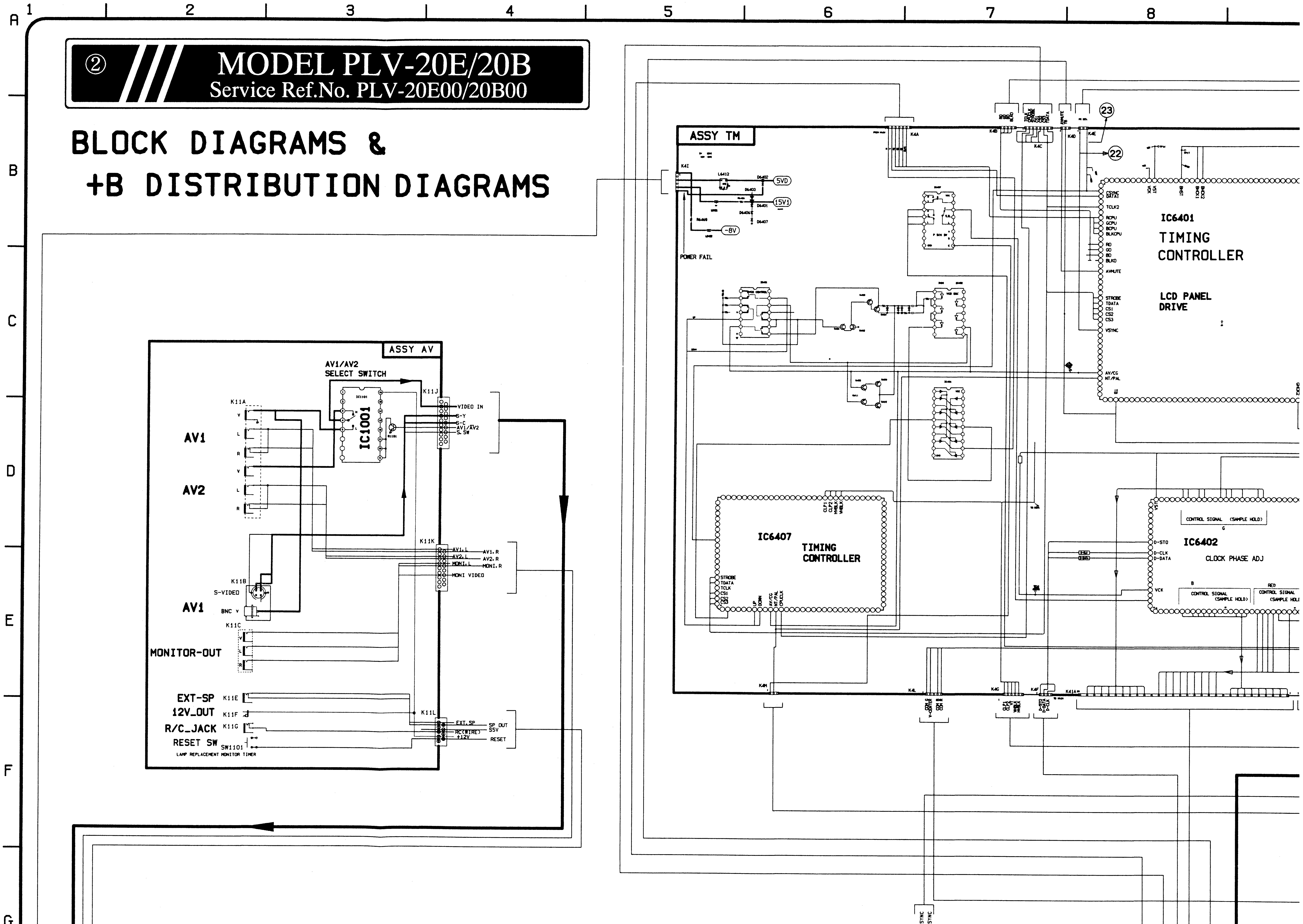

1AA4B10C08000
96G
D
E
F
G
1

LAMP BALLAST BOARD FOIL SIDE

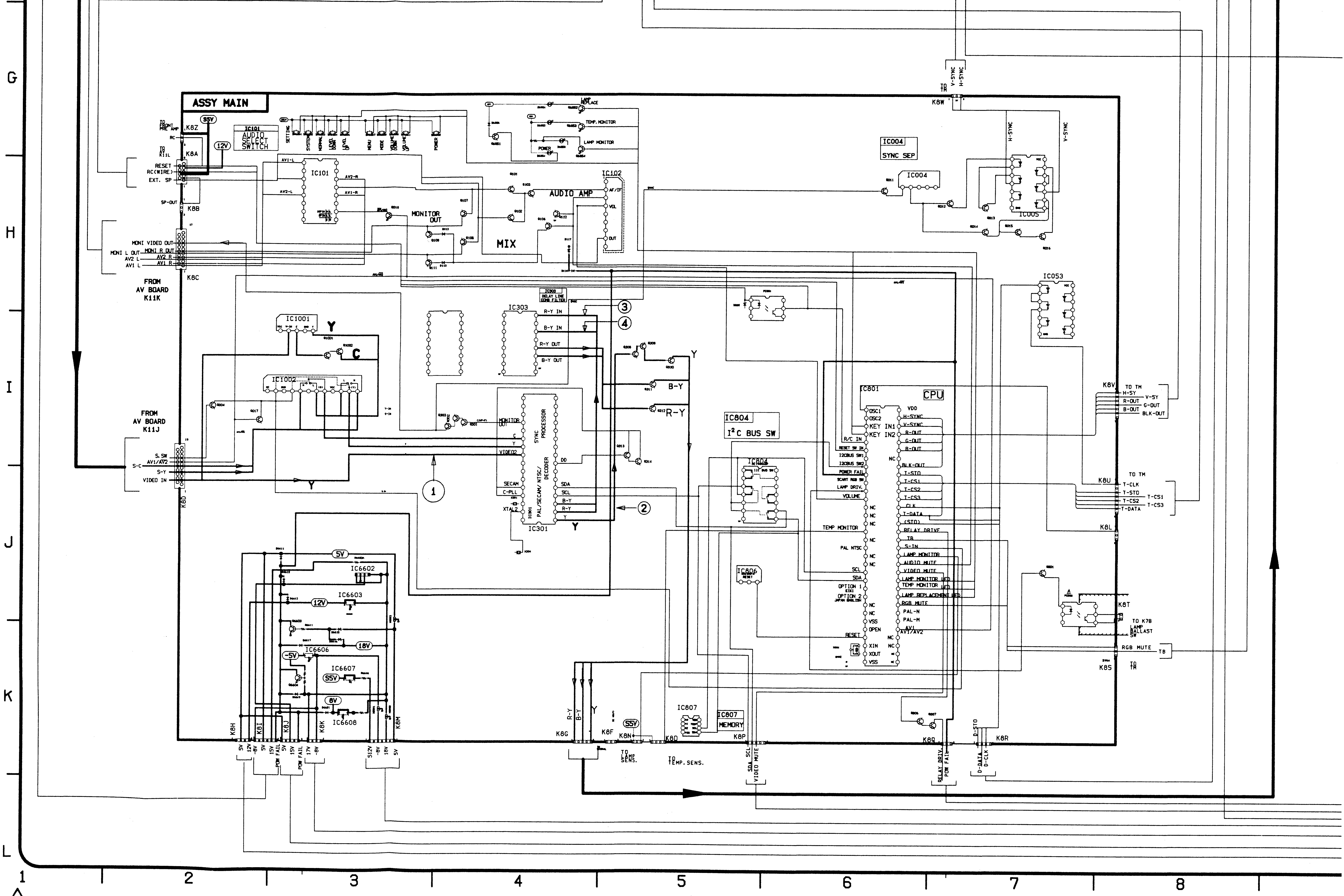

SOLDER SIDE
K7D
K7A
PC701
D701
R701
RL701
Q731
T701
L701
T731
HB751
HB752
FB701
FB702
Q701
SW701
SW702
D702
Q705
Q704
Q703
Q702
FB705
JAPAN
A711
SSS701
SSS702
Q706
R715
R714
L703
R747
4
3
2
1
1AA4B10C08000
96G
H
G
F
E

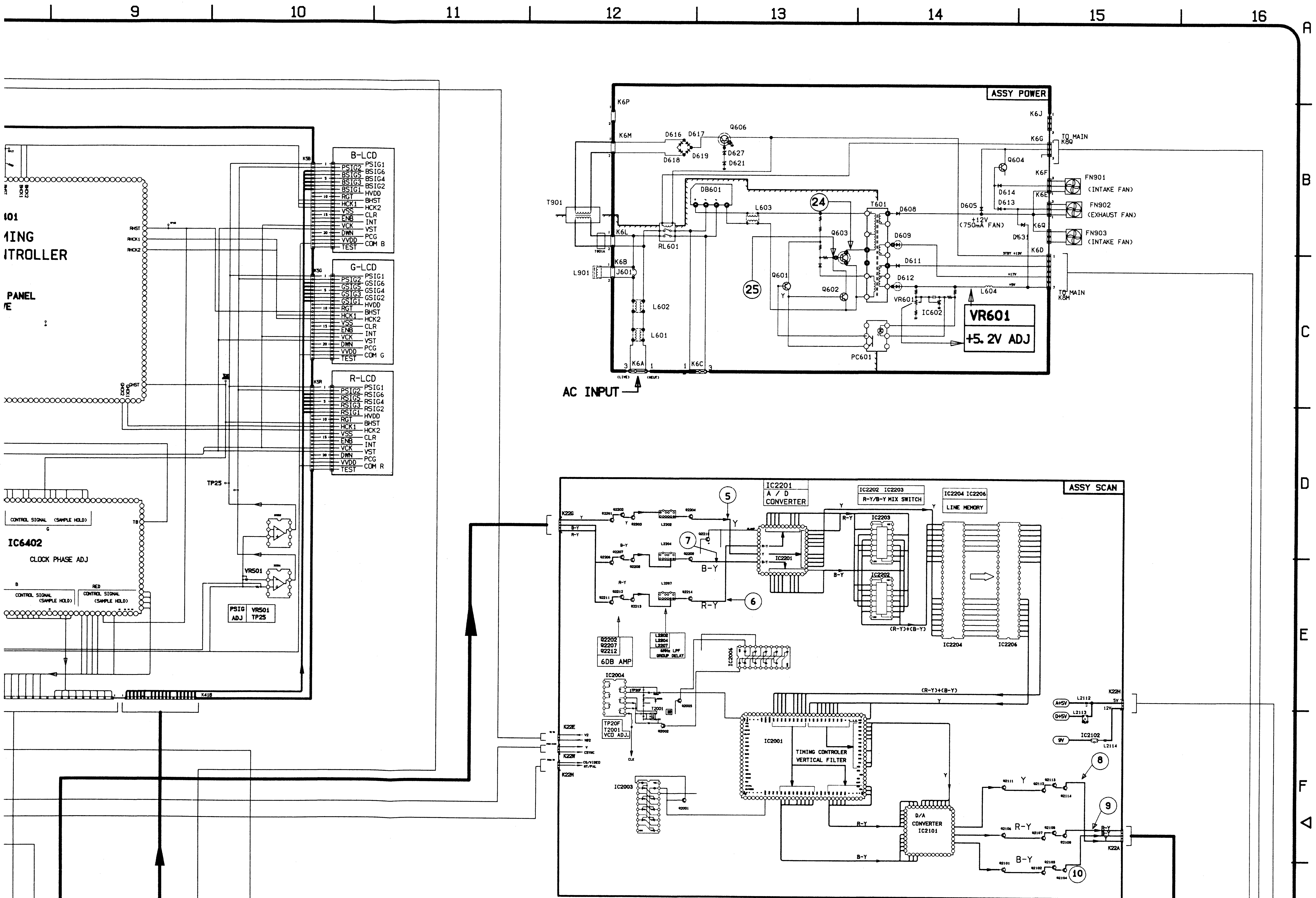
② MODEL PLV-20E/20B
Service Ref.No. PLV-20E00/20B00

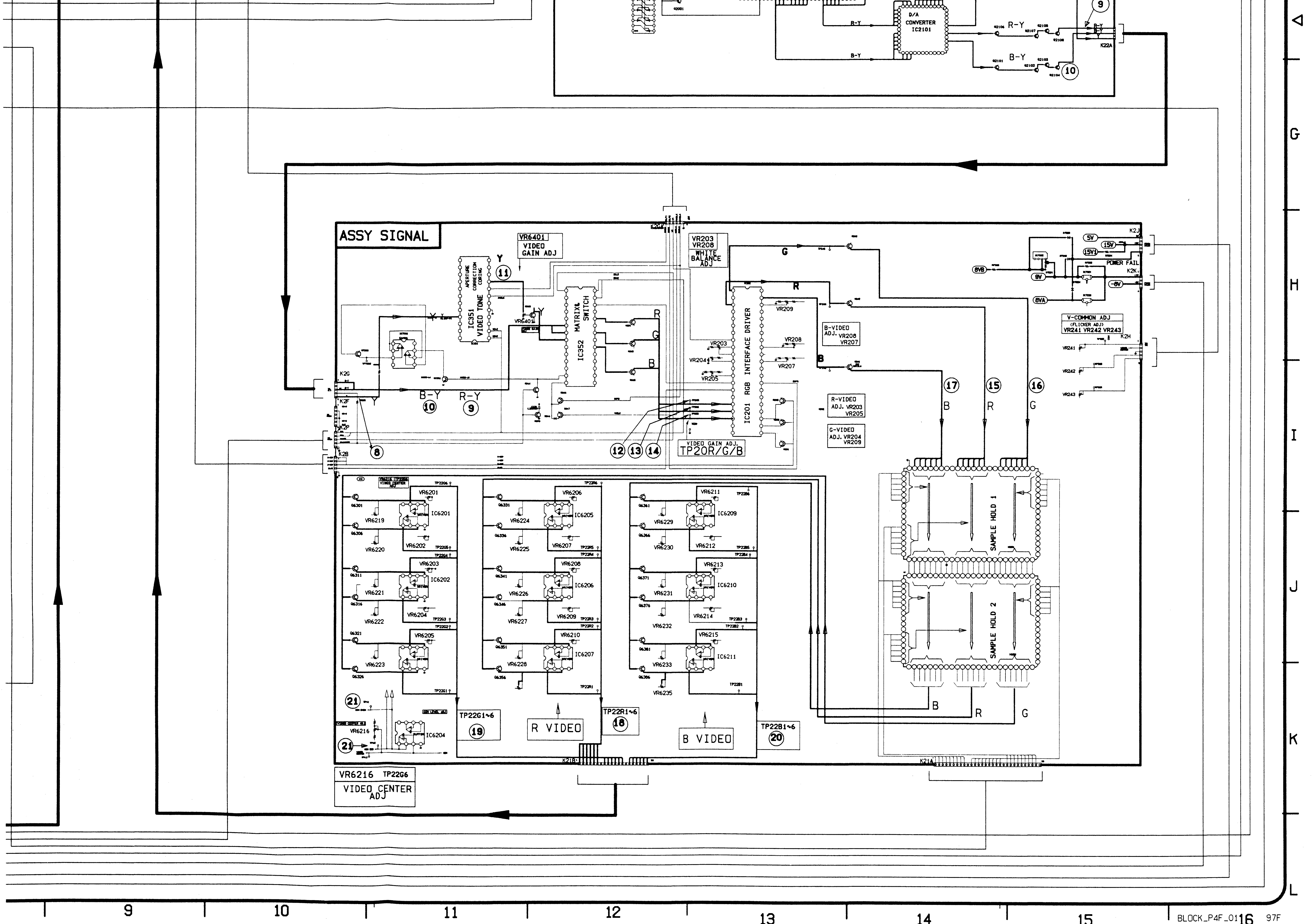
BLOCK DIAGRAMS &
+B DISTRIBUTION DIAGRAMS



1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
ASSY TM
K4I
5VD
15V1
-8V
POWER FAIL
K4A
K4B
K4C
K4D
K4E
23
22
IC6401
TIMING
CONTROLLER
LCD PANEL
DRIVE
TCLK2
RCPU
GCPU
BCPU
BLKCPU
RO
GO
BO
BLKO
AVMUTE
STROBE
TDATA
CS1
CS2
CS3
VSYNC
AV/CG
NT/PAL
IC6407
TIMING
CONTROLLER
STROBE
TDATA
TCLK
CS1
CS2
CS3
UP
DOWN
AV/CG
NT/PAL
CPUCLK
IC6402
CLOCK PHASE ADJ
CONTROL SIGNAL (SAMPLE HOLD)
D-STO
D-CLK
D-DATA
VCK
RED
K4M
K4L
K4G
K4F
K41A
SYNC
SYNC
ASSY AV
AV1/AV2
SELECT SWITCH
K11J
K11A
IC1001
VIDEO IN
S-Y
S-C
AV1/AV2
S. SW
AV1
AV2
V
L
R
K11K
AV1. L
AV2. L
MONI. L
MONI VIDEO
AV1. R
AV2. R
MONI. R
K11B
S-VIDEO
BNC V
K11C
MONITOR-OUT
EXT-SP
K11E
12V_OUT
K11F
R/C_JACK
K11G
RESET SW
SW1101
LAMP REPLACEMENT MONITOR TIMER
K11L
EXT. SP
RC(WIRE)
+12V
SP OUT
S5V
RESET

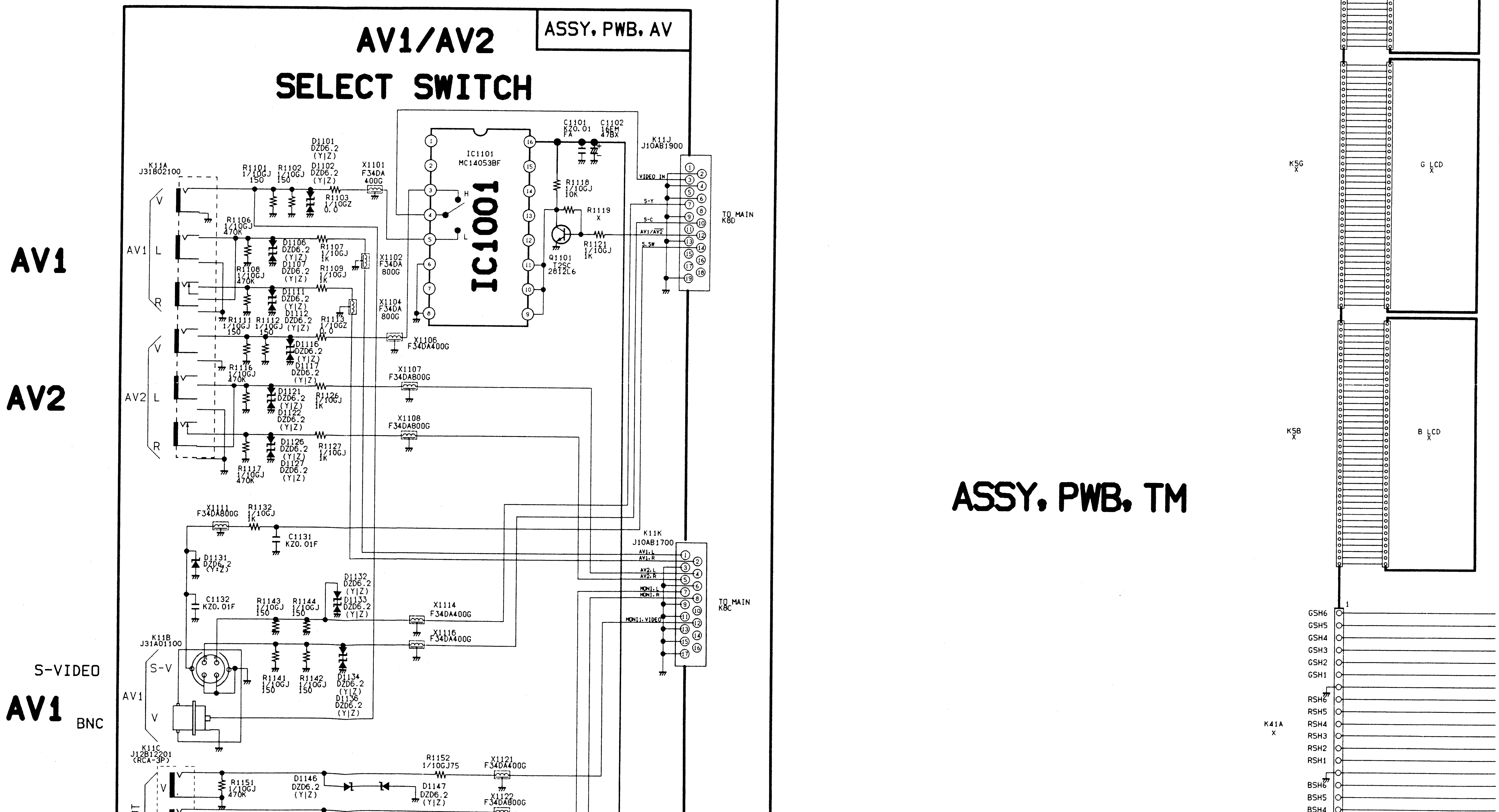

ASSY MAIN
G
H
I
J
K
L
1
2
3
4
5
6
7
8
△
K8Z
S5V
12V
TO FRONT PRE AMP
RC
TO K11L
K8A
RESET
RC(WIRE)
EXT. SP
SP-OUT
K8B
IC101
AUDIO SELECT SWITCH
AV1-L
AV2-L
AV2-R
AV1-R
SETTING
SYSTEM
NORMAL
LOAD
LEVEL
MENU
MODE
VOLUME
POWER
LAMP REPLACE
TEMP. MONITOR
LAMP MONITOR
POWER
AUDIO AMP
IC102
AF/IF
VOL
OUT
MONITOR OUT
MIX
MONI VIDEO OUT
MONI L OUT
MONI R OUT
AV2 L
AV2 R
AV1 L
AV1 R
K8C
FROM AV BOARD K11K
IC303
DELAY LINE COMB FILTER
R-Y IN
B-Y IN
R-Y OUT
B-Y OUT
3
4
IC1001
Y
C
IC1002
Y
B-Y
R-Y
FROM AV BOARD K11J
S.SW
S-C
AV1/AV2
S-Y
VIDEO IN
K8D
Y
1
MONITOR
C
Y
VIDEO2
DD
SECAM
C-PLL
XTAL2
SDA
SCL
B-Y
R-Y
Y
SYNC PROCESSOR
PAL/SECAM/NTSC/DECODER
IC301
2
Y
IC004
SYNC SEP
IC004
IC005
H-SYNC
V-SYNC
TO TM
K8W
IC053
IC801
CPU
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
TEMP MONITOR
PAL NTSC
SCL
SDA
OPTION 1
OPTION 2
JAPAN ENGLISH
VSS
OPEN
RESET
XIN
XOUT
VSS
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STO)
RELAY DRIVE
TB
S-IN
LAMP MONITOR
AUDIO MUTE
VIDEO MUTE
LAMP MONITOR LED
TEMP MONITOR LED
LAMP REPLACEMENT LED
RGB MUTE
PAL-N
PAL-M
AV1/AV2
NC
IC804
I²C BUS SW
IC804
IC806
RESET
IC807
IC807
MEMORY
K8V
TO TM
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
K8U
TO TM
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
K8L
K8T
TO K78 LAMP BALLAST SW
RGB MUTE
TB
K8S
TO TM
5V
IC6602
12V
IC6603
18V
-5V
IC6606
IC6607
S5V
8V
IC6608
K8H
K8I
K8J
K8K
K8M
5V
12V
-8V
5V
15V
POW FAIL
15V
POW FAIL
17V
-8V
S12V
-8V
18V
5V
R-Y
B-Y
Y
K8G
K8F
S5V
K8N
K8O
K8P
TO LAMP SENS.
TO TEMP. SENS.
SDA
SCL
VIDEO MUTE
K8Q
RELAY DRIV
POW FAIL
D-STO
D-DATA
D-CLK
K8R


9
10
11
12
13
14
15
16
A
B
C
D
E
F
ASSY POWER
K6P
K6M
D616 D617
Q606
D627
D621
D618
D619
K6J
K6G
TO MAIN
K8Q
Q604
K6F
FN901
(INTAKE FAN)
D614
D613
K6E
FN902
(EXHAUST FAN)
FN903
(INTAKE FAN)
DB601
T901
L603
24
T601
D608
D605
+12V
(750mA FAN)
K6Q
D631
K6L
RL601
Q603
D609
K6D
D611
L901
K6B
J601
Q601
25
D612
Q602
VR601
L604
TO MAIN
K8M
L602
IC602
VR601
+5.2V ADJ
L601
PC601
K6A
K6C
AC INPUT
401
IING
ITROLLER
PANEL
E
B-LCD
K5B
PSIG2 PSIG1
BSIG5 BSIG6
BSIG3 BSIG4
BSIG1 BSIG2
RGT HVDD
HCK1 BHST
VSS HCK2
ENB CLR
VCK INT
DWN VST
VVDD PCG
TEST COM B
G-LCD
K5G
PSIG2 PSIG1
GSIG5 GSIG6
GSIG3 GSIG4
GSIG1 GSIG2
RGT HVDD
HCK1 BHST
VSS HCK2
ENB CLR
VCK INT
DWN VST
VVDD PCG
TEST COM G
R-LCD
K5R
PSIG2 PSIG1
RSIG5 RSIG6
RSIG3 RSIG4
RSIG1 RSIG2
RGT HVDD
HCK1 BHST
VSS HCK2
ENB CLR
VCK INT
DWN VST
VVDD PCG
TEST COM R
RHST
RHCK1
RHCK2
TP25
CONTROL SIGNAL (SAMPLE HOLD)
IC6402
CLOCK PHASE ADJ
CONTROL SIGNAL (SAMPLE HOLD)
RED
CONTROL SIGNAL (SAMPLE HOLD)
VR501
PSIG ADJ
VR501 TP25
K418
ASSY SCAN
K22G
IC2201
A / D CONVERTER
5
Y
7
B-Y
6
R-Y
IC2202 IC2203
R-Y/B-Y MIX SWITCH
IC2204 IC2206
LINE MEMORY
IC2203
IC2201
IC2202
(R-Y)+(B-Y)
IC2204
IC2206
Q2202
Q2207
Q2212
6DB AMP
L2202
L2204
L2207
LPF GROUP DELAY
IC2006
IC2004
TP20F
T2001
VCD ADJ.
K22E
K22W
K22N
IC2003
IC2001
TIMING CONTROLER
VERTICAL FILTER
(R-Y)+(B-Y)
Y
K22H
A+5V
D+5V
L2112
L2113
9V
IC2102
L2114
8
9
D/A CONVERTER
IC2101
R-Y
B-Y
10
K22A

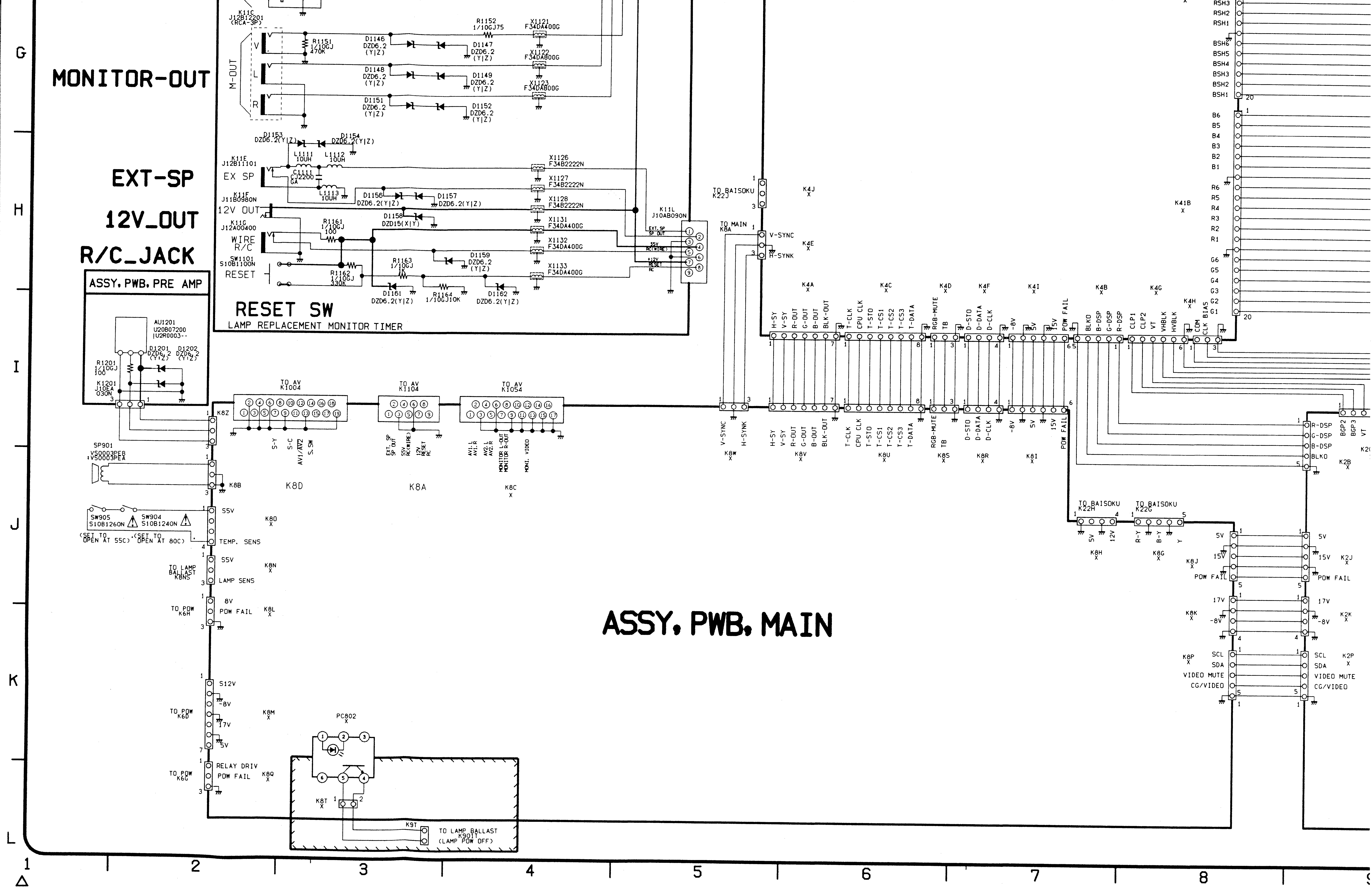

D/A CONVERTER IC2101
R-Y
B-Y
K22A
9
10
ASSY SIGNAL
VR6401 VIDEO GAIN ADJ
Y
11
IC351 VIDEO TONE
APERTURE CORRECTION CORING
VR6401
IC352 MATRIX& SWITCH
R
G
B
K2G
K2F
K2B
B-Y
R-Y
10
9
8
VR203 VR208 WHITE BALANCE ADJ
VR209
VR208
VR207
VR203
VR204
VR205
IC201 RGB INTERFACE DRIVER
B-VIDEO ADJ. VR208 VR207
R-VIDEO ADJ. VR203 VR205
G-VIDEO ADJ. VR204 VR209
12
13
14
VIDEO GAIN ADJ. TP20R/G/B
17
15
16
5V
15V
15V
8VB
9V
-8V
8VA
POWER FAIL
K2J
K2K
K2H
V-COMMON ADJ (FLICKER ADJ) VR241 VR242 VR243
VR241
VR242
VR243
SAMPLE HOLD 1
SAMPLE HOLD 2
VR6216 TP22G6 VIDEO CENTER ADJ
VR6201
IC6201
VR6219
VR6220
VR6202
VR6203
IC6202
VR6221
VR6222
VR6204
VR6205
VR6223
VR6206
IC6205
VR6224
VR6225
VR6207
VR6208
IC6206
VR6226
VR6227
VR6209
VR6210
IC6207
VR6228
VR6211
IC6209
VR6229
VR6230
VR6212
VR6213
IC6210
VR6231
VR6232
VR6214
VR6215
IC6211
VR6233
VR6235
21
VR6216
IC6204
TP22G1~6
19
R VIDEO
TP22R1~6
18
B VIDEO
TP22B1~6
20
K21B
K21A
B
R
G
G
H
I
J
K
L
9
10
11
12
13
14
15
16

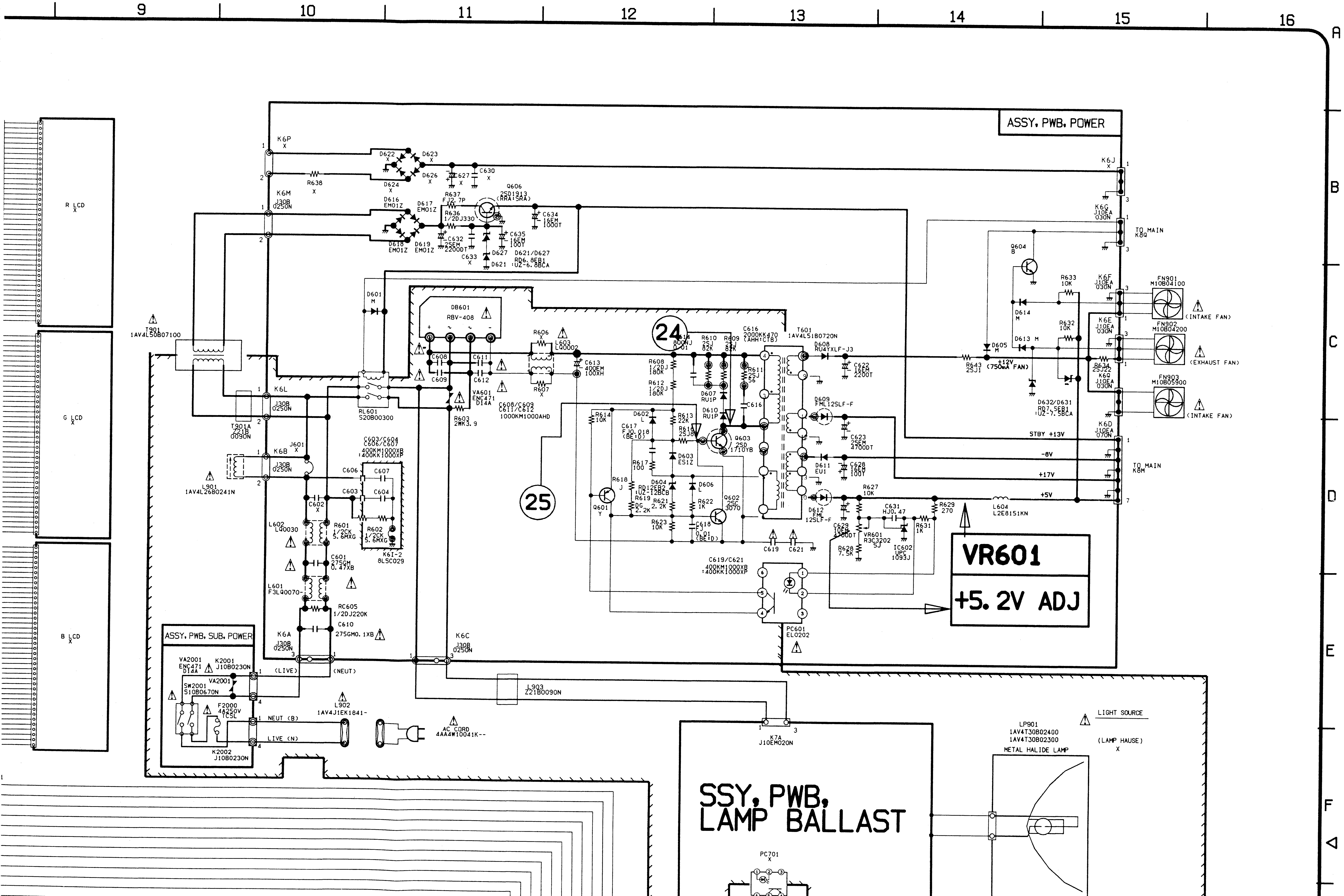
③ MODEL PLV-20E/20B
Service Ref.No. PLV-20E00/20B00

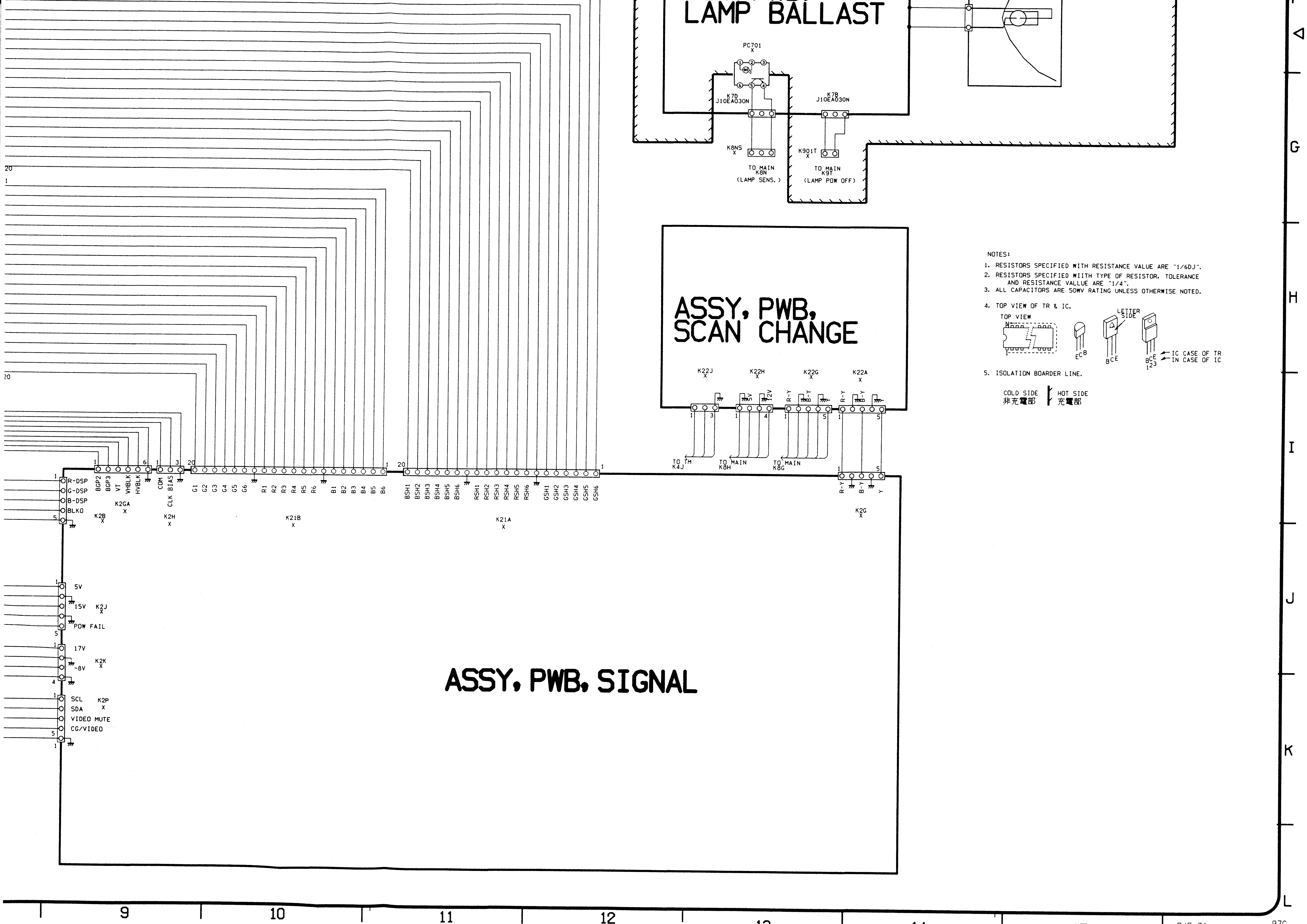
SCHEMATIC DIAGRAMS



AV1/AV2
SELECT SWITCH
ASSY. PWB. AV
AV1
AV2
S-VIDEO
AV1
BNC
IC1001
IC1101
MC14053BF
K11A
J31B02100
K11J
J10AB1900
TO MAIN
K8D
K11K
J10AB1700
TO MAIN
K8C
K11B
J31A01100
K11C
J12B12201
(RCA-3P)
Q1101
2SC2812L6
C1101
KZ0.01
FA
C1102
16EM
47BX
R1118
1/10GJ
10K
R1119
X
R1121
1/10GJ
1K
VIDEO IN
S-Y
S-C
AV1/AV2
S.SW
AV1.L
AV1.R
AV2.L
AV2.R
MON1.L
MON1.R
MON1.VIDEO
X1101
F34DA400G
X1102
F34DA800G
X1104
F34DA800G
X1106
F34DA400G
X1107
F34DA800G
X1108
F34DA800G
X1111
F34DA800G
X1114
F34DA400G
X1116
F34DA400G
X1121
F34DA400G
X1122
F34DA800G
ASSY. PWB. TM
K5R
R LCD
K5G
G LCD
K5B
B LCD
K41A
GSH6
GSH5
GSH4
GSH3
GSH2
GSH1
RSH6
RSH5
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5
BSH4

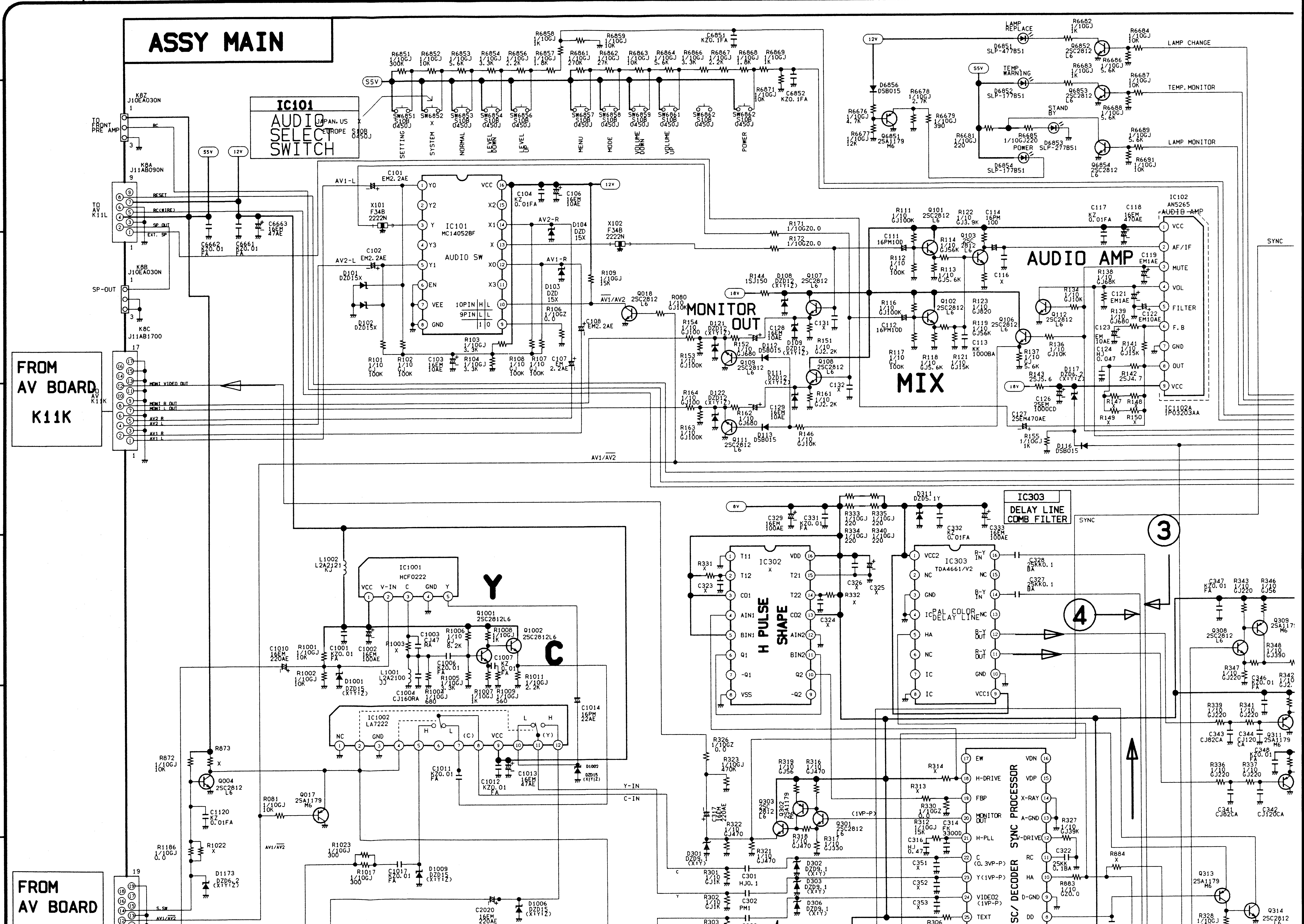

MONITOR-OUT
EXT-SP
12V_OUT
R/C_JACK
ASSY. PWB. PRE AMP
RESET SW
LAMP REPLACEMENT MONITOR TIMER
ASSY. PWB. MAIN
K11C J12B12201 (RCA-3P)
M-OUT
V
L
R
R1151 1/10GJ 470K
D1146 DZD6.2 (Y|Z)
D1147 DZD6.2 (Y|Z)
D1148 DZD6.2 (Y|Z)
D1149 DZD6.2 (Y|Z)
D1151 DZD6.2 (Y|Z)
D1152 DZD6.2 (Y|Z)
R1152 1/10GJ75
X1121 F34DA400G
X1122 F34DA800G
X1123 F34DA800G
D1153 DZD6.2(Y|Z)
D1154 DZD6.2(Y|Z)
K11E J12B11101
EX SP
L1111 10UH
L1112 10UH
C1111 CJ2200 6A
L1113 10UH
X1126 F34B2222N
X1127 F34B2222N
X1128 F34B2222N
D1156 DZD6.2(Y|Z)
D1157 DZD6.2(Y|Z)
K11F J11B0980N
12V OUT
D1158 DZD15(X|Y)
K11G J12A00400
WIRE R/C
R1161 1/10GJ 100
X1131 F34DA400G
X1132 F34DA400G
X1133 F34DA400G
SW1101 S10B1100N
RESET
R1162 1/10GJ 330K
R1163 1/10GJ 1K
D1159 DZD6.2 (Y|Z)
D1161 DZD6.2(Y|Z)
R1164 1/10GJ10K
D1162 DZD6.2(Y|Z)
K11L J10AB090N
EXT.SP SP OUT
S5V RC(WIRE)
+12V RESET RC
AU1201 U20B07200 |U2R0003--
D1201 DZD6.2 (Y|Z)
D1202 DZD6.2 (Y|Z)
R1201 1/10GJ 100
K1201 J10EA 030N
TO AV K1004
TO AV K1104
TO AV K1054
K8Z
S-Y
S-C
AV1/AV2
S.SW
EXT. SP SP OUT
S5V RC(WIRE)
12V RESET RC
AV1.L AV1.R AV2.L AV2.R
MONITOR L-OUT MONITOR R-OUT
MONI. VIDEO
K8D
K8A
K8C
SP901 VS0003PEG ↑VS0003PEA
K8B
SW905 S10B1260N
SW904 S10B1240N
(SET TO OPEN AT 55C)
(SET TO OPEN AT 80C)
S5V
TEMP. SENS
K8O
TO LAMP BALLAST K8NS
S5V
LAMP SENS
K8N
TO POW K6H
8V
POW FAIL
K8L
TO POW K6D
S12V
-8V
17V
5V
K8M
TO POW K6G
RELAY DRIV
POW FAIL
K8Q
PC802
K8T
K9T
TO LAMP BALLAST K901T (LAMP POW OFF)
TO BAISOKU K22J
K4J
TO MAIN K8A
V-SYNC
H-SYNK
K4E
K4A
K4C
K4D
K4F
K4I
K4B
K4G
K4H
K41B
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
T-CLK
CPU CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
RGB-MUTE
TB
D-STO
D-DATA
D-CLK
-8V
5V
15V
POW FAIL
BLKO
B-DSP
G-DSP
R-DSP
CLP1
CLP2
VT
VHBLK
HVBLK
COM
CLK BIAS
K8W
K8V
K8U
K8S
K8R
K8I
RSH3
RSH2
RSH1
BSH6
BSH5
BSH4
BSH3
BSH2
BSH1
B6
B5
B4
B3
B2
B1
R6
R5
R4
R3
R2
R1
G6
G5
G4
G3
G2
G1
BGP2
BGP3
VT
K2B
TO BAISOKU K22H
TO BAISOKU K22G
12V
R-Y
B-Y
Y
K8H
K8G
K8J
15V
POW FAIL
K2J
17V
K8K
K2K
SCL
SDA
VIDEO MUTE
CG/VIDEO
K8P
K2P
G
H
I
J
K
L
1
2
3
4
5
6
7
8
△

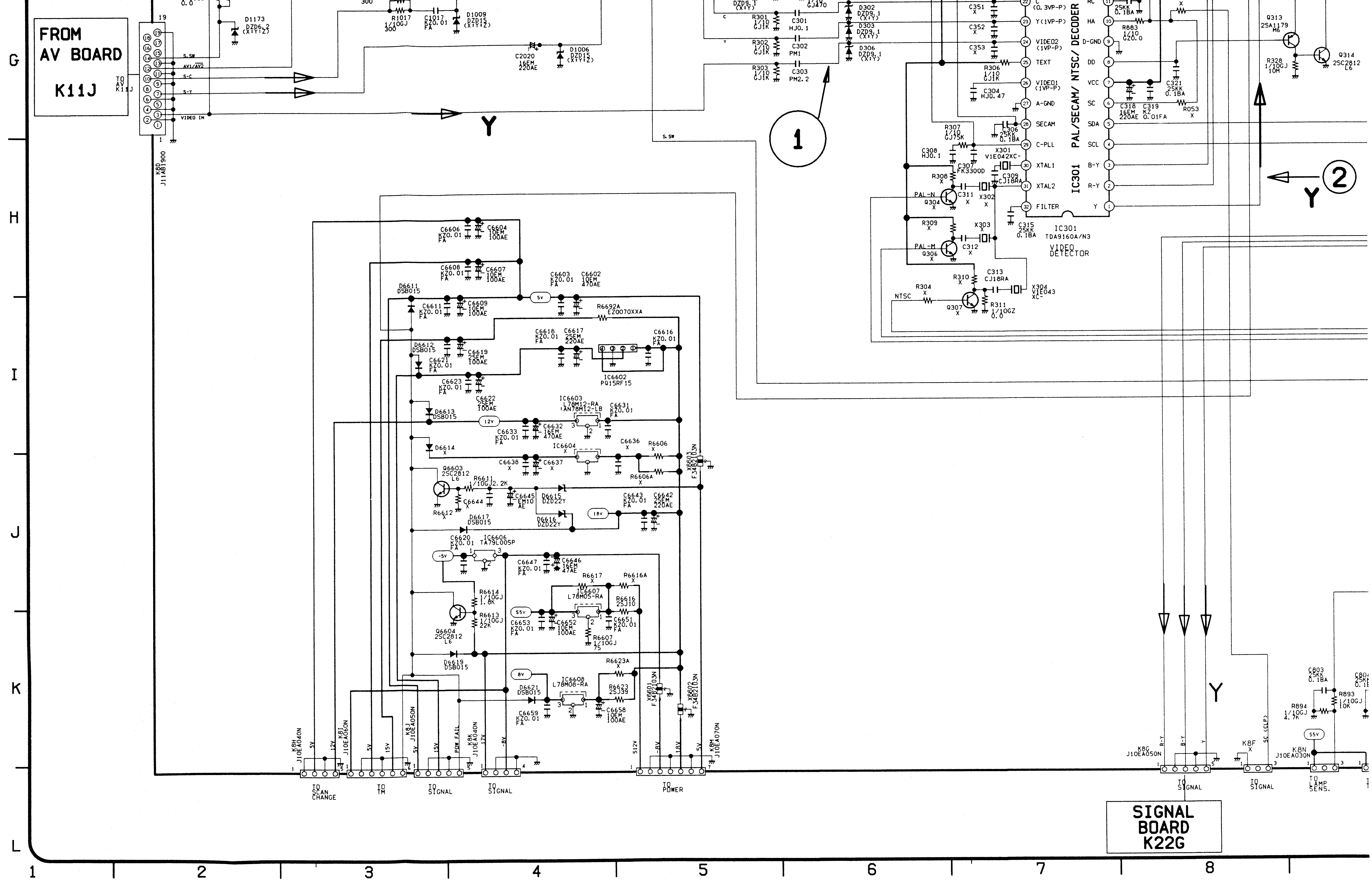

9
10
11
12
13
14
15
16
A
B
C
D
E
F
ASSY, PWB, POWER
R LCD
X
G LCD
X
B LCD
X
K6P
X
D622
X
D623
X
D624
X
D626
X
C627
X
C630
X
R638
X
K6M
J30B
0250N
D616
EM01Z
D617
EM01Z
D618
EM01Z
D619
EM01Z
R637
FJ2.7P
R636
1/2DJ330
Q606
2SD1913
(RRA:SRA)
C634
16EM
1000T
C632
25EM
2200DT
C633
X
C635
16EM
100T
D627
D621
D621/D627
RD6.8EB1
:UZ-6.8BCA
K6J
X
K6G
J10EA
030N
TO MAIN
K8Q
Q604
B
R633
10K
K6F
J10EA
030N
FN901
M10B04100
(INTAKE FAN)
D614
M
R632
10K
K6E
J10EA
030N
FN902
M10B04200
(EXHAUST FAN)
D613 M
D605
M
R643
2SJ1
+12V
(750mA FAN)
R634
2SJ22
K6Q
J10EA
030N
FN903
M10B05900
(INTAKE FAN)
D632/D631
RD7.5EB1
:UZ-7.5BCA
STBY +13V
K6D
J10EA
070N
-8V
TO MAIN
K8M
+17V
+5V
D601
M
DB601
RBV-408
T901
1AV4L50B07100
R606
X
L603
LQ0002
C608
C611
C609
C612
R607
X
C613
400EM
100XH
24
R614
800NJ
0.01
R610
2SJ
82K
R609
2SJ
82K
C616
2000KK470
(AHH:CTB)
T601
1AV4L51B0720N
D608
RU4YXLF-J3
C622
16EM
2200T
R608
1/2DJ
180K
R612
1/2DJ
180K
R611
2SJ
56
D607
RU1P
D610
RU1P
C616
D609
FML12SLF-F
C623
25EM
4700DT
K6L
J30B
0250N
RL601
S20B00300
VA601
ENC471
D14A
R603
2WK3.9
C608/C609
C611/C612
1000KM1000AHD
R614
10K
D602
L
R613
22K
R616
2SJ8
Q603
2SD
1710YB
C617
FJ0.018
(BE:D)
D603
ES1Z
D611
EU1
C628
16EM
100T
T901A
Z21B
0090N
J601
X
K6B
J30B
0250N
C603/C604
C606/C607
400KM1000XB
:400KK1000XP
C606
C607
C603
C604
R617
100
R618
J
D604
RD12EB2
:UZ-12BCB
D606
L
R627
10K
L901
1AV4L26B0241N
25
Q601
Y
R619
DG
2.2K
R621
2.2K
R622
1K
Q602
2SC
3070
C631
HJ0.47
R629
270
L604
L2E8151KN
C602
X
R623
10K
C618
FJ
0.01
(BE:D)
D612
FML
12SLF-F
C629
10EM
4700DT
VR601
R3C3202
SJ
R631
1K
L602
LQ0030
R601
1/2CK
5.6MXG
R602
1/2CK
5.6MXG
K6I-2
8L5C029
C619
C621
IC602
UPC
1093J
R628
7.5K
VR601
+5.2V ADJ
C601
275GM
0.47XB
C619/C621
400KM1000XB
:400KK1000XP
L601
F3LQ0070
RC605
1/2DJ220K
C610
275GM0.1XB
PC601
EL0202
ASSY, PWB, SUB, POWER
K6A
J30B
0250N
K6C
J30B
0250N
VA2001
ENC471
D14A
K2001
J10B0230N
VA2001
(LIVE)
(NEUT)
SW2001
S10B0670N
F2000
4A250V
TC5L
L903
Z21B0090N
L902
1AV4J1EK1841-
AC CORD
4AA4W10041K--
NEUT (B)
LIVE (N)
K2002
J10B0230N
K7A
J10EM020N
LIGHT SOURCE
LP901
1AV4T30B02400
1AV4T30B02300
METAL HALIDE LAMP
(LAMP HAUSE)
X
SSY, PWB,
LAMP BALLAST
PC701
X


LAMP BALLAST
PC701
X
K7D
J10EA030N
K7B
J10EA030N
K8NS
X
K901T
X
TO MAIN
K8N
(LAMP SENS.)
TO MAIN
K9T
(LAMP POW OFF)
ASSY, PWB,
SCAN CHANGE
K22J
X
K22H
X
K22G
X
K22A
X
5V
12V
R-Y
B-Y
TO TM
K4J
TO MAIN
K8H
TO MAIN
K8G
K2G
X
R-Y
B-Y
Y
R-DSP
G-DSP
B-DSP
BLKO
K2B
X
BGP2
BGP3
VT
VHBLK
HVBLK
K2GA
X
COM
CLK BIAS
K2H
X
G1
G2
G3
G4
G5
G6
R1
R2
R3
R4
R5
R6
B1
B2
B3
B4
B5
B6
K21B
X
BSH1
BSH2
BSH3
BSH4
BSH5
BSH6
RSH1
RSH2
RSH3
RSH4
RSH5
RSH6
GSH1
GSH2
GSH3
GSH4
GSH5
GSH6
K21A
X
5V
15V
K2J
X
POW FAIL
17V
-8V
K2K
X
SCL
SDA
VIDEO MUTE
CG/VIDEO
K2P
X
ASSY, PWB, SIGNAL
TOP VIEW
N
1
ECB
LETTER SIDE
BCE
BCE
123
IC CASE OF TR
IN CASE OF IC
COLD SIDE
非充電部
HOT SIDE
充電部
G
H
I
J
K
L
9
10
11
12

NOTES:

1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ".
2. RESISTORS SPECIFIED WIITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. TOP VIEW OF TR & IC.
5. ISOLATION BOARDER LINE.


ASSY MAIN
IC101
AUDIO SELECT SWITCH
JAPAN, US
EUROPE
SETTING
SYSTEM
NORMAL
LEVEL DOWN
LEVEL UP
MENU
MODE
VOLUME DOWN
VOLUME UP
POWER
S5V
12V
TO FRONT PRE AMP
TO AV K11L
SP-OUT
FROM AV BOARD K11K
FROM AV BOARD
RESET
RC(WIRE)
SP OUT
EXT. SP
MONI VIDEO OUT
MONI R OUT
MONI L OUT
AV2 R
AV2 L
AV1 R
AV1 L
IC101
MC14052BF
AUDIO SW
AV1-L
AV2-L
AV2-R
AV1-R
AV1/AV2
MONITOR OUT
MIX
AUDIO AMP
IC102
AN5265
IC102A
1P03203AA
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
LAMP REPLACE
TEMP WARNING
STAND BY
POWER
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
SYNC
IC303
DELAY LINE COMB FILTER
IC303
TDA4661/V2
PAL COLOR DELAY LINE
IC302
H PULSE SHAPE
IC1001
HCF0222
Y
C
IC1002
LA7222
Y-IN
C-IN
SYNC PROCESSOR
SC/ DECODER
H-DRIVE
FBP
MONITOR OUT
H-PLL
VIDEO2
TEXT
③
④
S.SW
AV1/AV2
8V
18V


FROM AV BOARD K11J
TO AV K11J
K8D J11AB1900
VIDEO IN
S.SW
AV1/AV2
S-C
S-Y
Y
D1173 DZD6.2 (X:Y:Z)
R1017 1/10GJ 300
C1017 KZ0.01 FA
D1009 DZD15 (X:Y:Z)
C2020 16EM 220AE
D1006 DZD15 (X:Y:Z)
R301 1/10 GJ1K
C301 HJ0.1
R302 1/10 GJ1K
C302 PM1
R303 1/10 GJ1K
C303 PM2.2
D302 DZD9.1 (X:Y)
D303 DZD9.1 (X:Y)
D306 DZD9.1 (X:Y)
1
2
C351 X
C352 X
C353 X
R306 1/10 GJ1K
C304 HJ0.47
R307 1/10 GJ75K
C306 25KK 0.1BA
C308 HJ0.1
C307 FK3300D
X301 V1E042XC-
C309 CJ18RA
R308 X
PAL-N
Q304 X
C311 X
X302 X
R309 X
X303 X
PAL-M
Q306 X
C312 X
C315 25KK 0.1BA
R310 X
C313 CJ18RA
R304 X
NTSC
Q307 X
R311 1/10GZ 0.0
X304 V1E043 XC-
C (0.3VP-P)
Y (1VP-P)
VIDEO2 (1VP-P)
TEXT
VIDEO1 (1VP-P)
A-GND
SECAM
C-PLL
XTAL1
XTAL2
FILTER
IC301 PAL/SECAM/ NTSC/ DECODER
IC301 TDA9160A/N3 VIDEO DETECTOR
RC
HA
D-GND
DD
VCC
SC
SDA
SCL
B-Y
R-Y
Y
25KK 0.1BA
R683 1/10 G20.0
C318 16EM 220AE
C319 KZ 0.01FA
C321 25KK 0.1BA
R053 X
Q313 2SA1179 M6
R328 1/10GJ 10M
Q314 2SC2812 L6
C6606 KZ0.01 FA
C6604 10EM 100AE
C6608 KZ0.01 FA
C6607 10EM 100AE
D6611 DSB015
C6611 KZ0.01 FA
C6609 10EM 100AE
5V
C6603 KZ0.01 FA
C6602 10EM 470AE
R6692A EZ0070XXA
D6612 DSB015
C6619 25EM 100AE
C6618 KZ0.01 FA
C6617 25EM 220AE
C6616 KZ0.01 FA
C6621 KZ0.01 FA
IC6602 PQ15RF15
C6623 KZ0.01 FA
C6622 25EM 100AE
IC6603 L78M12-RA :AN78M12-LB
C6631 KZ0.01 FA
D6613 DSB015
12V
C6633 KZ0.01 FA
C6632 16EM 470AE
D6614 X
IC6604 X
C6636 X
R6606 X
C6638 X
C6637 X
R6606A X
X6603 F34B2103N
Q6603 2SC2812 L6
R6611 1/10GJ2.2K
C6644 X
C6645 EM10 AE
D6615 DZD22Y
R6612 X
C6643 KZ0.01 FA
C6642 25EM 220AE
18V
D6617 DSB015
D6616 DZD22Y
C6620 KZ0.01 FA
IC6606 TA79L005P
-5V
C6647 KZ0.01 FA
C6646 16EM 47AE
R6617 X
R6616A X
IC6607 L78M05-RA
R6616 25J10
R6614 1/10GJ 1.8K
R6613 1/10GJ 22K
S5V
C6653 KZ0.01 FA
C6652 10EM 100AE
C6651 KZ0.01 FA
R6607 1/10GJ 75
Q6604 2SC2812 L6
D6619 DSB015
8V
R6623A X
D6621 DSB015
IC6608 L78M08-RA
R6623 25J39
X6601 F34B2103N
X6602 F34B2103N
C6659 KZ0.01 FA
C6658 10EM 100AE
K8H J10EA040N
5V
12V
K8I J10EA060N
5V
15V
K8J J10EA050N
5V
15V
PDW FAIL
K8K J10EA040N
17V
-8V
S12V
-8V
18V
5V
K8M J10EA070N
TO SCAN CHANGE
TO TM
TO SIGNAL
TO SIGNAL
TO POWER
Y
K8G J10EA050N
R-Y
B-Y
Y
TO SIGNAL
K8F X
SC (CLP)
TO SIGNAL
C803 25KK 0.1BA
R894 1/10GJ 4.7K
R893 1/10GJ 10K
S5V
K8N J10EA030N
TO LAMP SENS.
SIGNAL BOARD K22G
G
H
I
J
K
L
1
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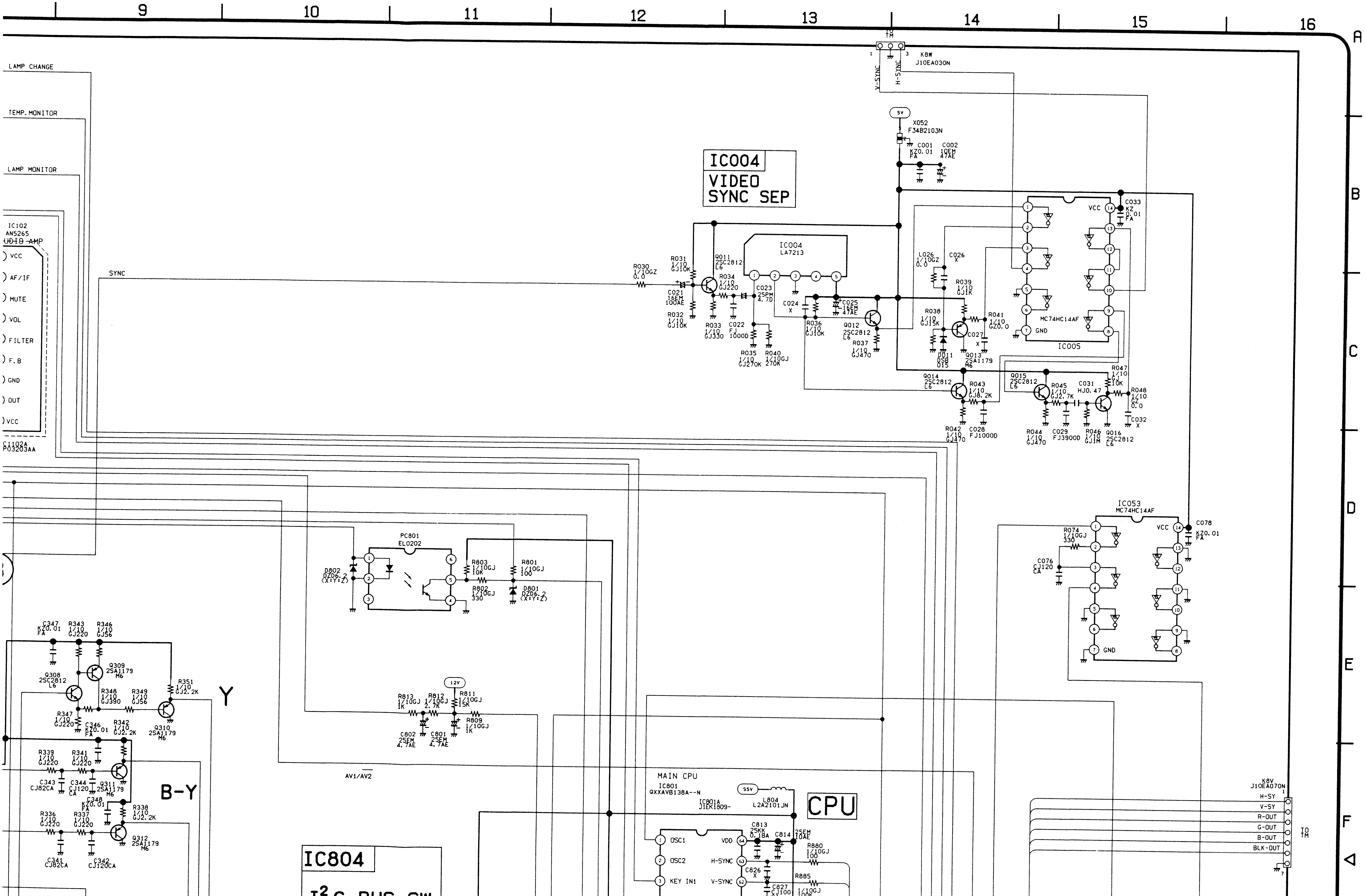
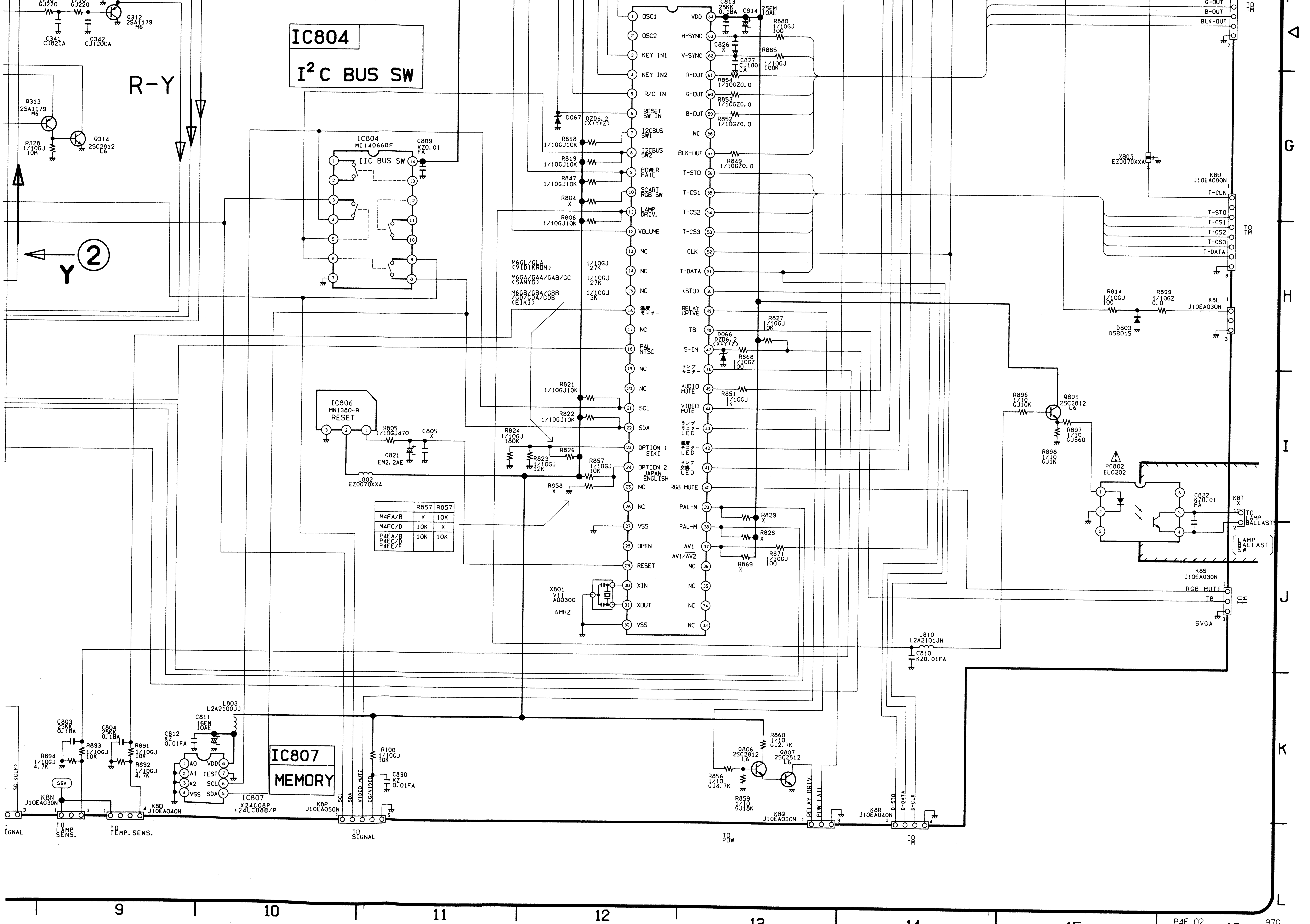

9
10
11
12
13
14
15
16
A
B
C
D
E
F
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
IC102
AN5265
~~UDIO AMP~~
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
VCC
CJ1102A
P03203AA
SYNC
TO TM
K8W
J10EA030N
V-SYNC
H-SYNC
5V
X052
F34B2103N
C001 KZ0.01 FA
C002 10EM 47AE
IC004
VIDEO SYNC SEP
IC004
LA7213
R030 1/10GZ 0.0
R031 1/10 GJ10K
C021 16EM 100AE
R032 1/10 GJ10K
Q011 2SC2812 L6
R034 1/10 GJ220
R033 1/10 GJ330
C022 FJ 1000D
C023 25PM 4.7D
R035 1/10 GJ270K
R040 1/10GJ 270K
C024 X
R036 1/10 GJ10K
C025 16EM 47AE
Q012 2SC2812 L6
R037 1/10 GJ470
L026 1/10GZ 0.0
C026 X
R039 1/10 GJ1K
R038 1/10 GJ15K
D011 DSB 015
Q013 2SA1179 M6
C027 X
R041 1/10 GZ0.0
IC005
MC74HC14AF
VCC
GND
C033 KZ 0.01 FA
Q014 2SC2812 L6
R043 1/10 GJ8.2K
R042 1/10 GJ470
C028 FJ1000D
Q015 2SC2812 L6
R045 1/10 GJ2.7K
C031 HJ0.47
R047 1/10 GJ10K
R048 1/10 GZ 0.0
C032 X
R044 1/10 GJ470
C029 FJ3900D
R046 1/10 GJ1M
Q016 2SC2812 L6
IC053
MC74HC14AF
R074 1/10GJ 330
C076 CJ120 CA
C078 KZ0.01 FA
VCC
GND
PC801
EL0202
D802 DZD6.2 (X+Y+Z)
R803 1/10GJ 10K
R802 1/10GJ 330
R801 1/10GJ 100
D801 DZD6.2 (X+Y+Z)
C347 KZ0.01 FA
R343 1/10 GJ220
R346 1/10 GJ56
Q309 2SA1179 M6
Q308 2SC2812 L6
R348 1/10 GJ390
R349 1/10 GJ56
R351 1/10 GJ2.2K
Y
R347 1/10 GJ220
C346 KZ0.01 FA
R342 1/10 GJ2.2K
Q310 2SA1179 M6
R339 1/10 GJ220
R341 1/10 GJ220
C343 CJ82CA
C344 CJ120 CA
Q311 2SA1179 M6
B-Y
C348 KZ0.01 FA
R338 1/10 GJ2.2K
R336 1/10 GJ220
R337 1/10 GJ220
Q312 2SA1179 M6
C341 CJ82CA
C342 CJ120CA
12V
R813 1/10GJ 1K
R812 1/10GJ 2.7K
R811 1/10GJ 15K
R809 1/10GJ 1K
C802 25EM 4.7AE
C801 25EM 4.7AE
AV1/AV2
IC804
I²C BUS SW
MAIN CPU
IC801
QXXAVB138A--N
IC801A
J1EK1809-
5SV
L804
L2A2101JN
CPU
OSC1
OSC2
KEY IN1
VDD
H-SYNC
V-SYNC
C813 25KK 0.1BA
C814 25EM 10AE
R880 1/10GJ 100
C826 X
C827 CJ100
R885 1/10GJ 10K
K8V
J1OEA070N
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
TO TM

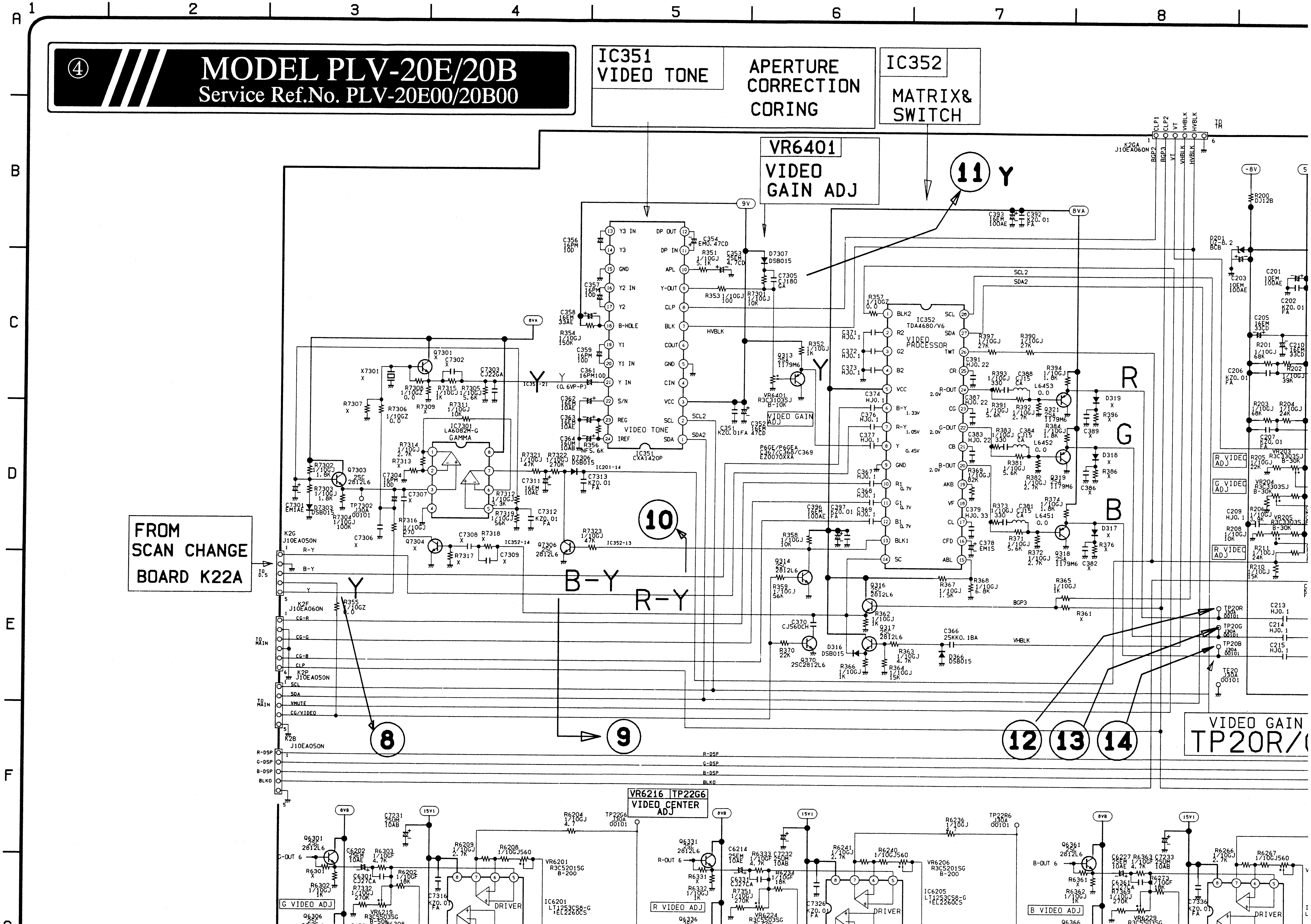

IC804
I²C BUS SW
R-Y
Y ②
Q312 2SA1179 M6
Q313 2SA1179 M6
Q314 2SC2812 L6
R328 1/10GJ 10M
C341 CJ82CA
C342 CJ120CA
IC804 MC14066BF
IIC BUS SW
C809 KZ0.01 FA
IC806 MN1380-R RESET
R805 1/10GJ470
C805 X
C821 EM2.2AE
L802 EZ0070XXA
M6GL/GLA (VIDIKRON) 1/10GJ 27K
M6GA/GAA/GAB/GC (SANYO) 1/10GJ 27K
M6GB/GBA/GBB /GD/GDA/GDB (EIKI) 1/10GJ 3K
D067 DZ6.2 (X+Y+Z)
R818 1/10GJ10K
R819 1/10GJ10K
R847 1/10GJ10K
R804 X
R806 1/10GJ10K
R821 1/10GJ10K
R822 1/10GJ10K
R824 1/10GJ 180K
R823 1/10GJ 12K
R826
R857 1/10GJ 10K
R858 X
X801 V11 A00300 6MHZ
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
NC
温度モニター
PAL NTSC
SCL
SDA
OPTION 1 EIKI
OPTION 2 JAPAN ENGLISH
VSS
OPEN
RESET
XIN
XOUT
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STO)
RELAY DRIVE
TB
S-IN
ランプモニター
AUDIO MUTE
VIDEO MUTE
ランプモニターLED
温度モニターLED
ランプ交換LED
RGB MUTE
PAL-N
PAL-M
AV1
AV1/AV2
C813 25KK 0.1BA
C814 25EM 10AE
R880 1/10GJ 100
C826 X
C827 CJ100 CA
R885 1/10GJ 100K
R854 1/10GZ0.0
R853 1/10GZ0.0
R852 1/10GZ0.0
R849 1/10GZ0.0
R827 1/10GJ 10K
D066 DZ6.2 (X+Y+Z)
R868 1/10GZ 100
R851 1/10GJ 1K
R829 X
R828 X
R871 1/10GJ 100
R869 X
G-OUT
B-OUT
BLK-OUT
TO TM
X803 EZ0070XXA
K8U J10EA080N
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
R814 1/10GJ 100
R899 1/10GZ 0.0
D803 DS8015
K8L J10EA030N
R896 1/10 GJ10K
Q801 2SC2812 L6
R897 1/10 GJ560
R898 1/10 GJ1K
PC802 EL0202
C822 KZ0.01 FA
K8T X
TO LAMP BALLAST
LAMP BALLAST SW
K8S J10EA030N
RGB MUTE
TB
SVGA
L810 L2A2101JN
C810 KZ0.01FA
C803 25KK 0.1BA
R894 1/10GJ 4.7K
R893 1/10GJ 10K
C804 25KK 0.1BA
R891 1/10GJ 10K
R892 1/10GJ 4.7K
55V
K8N J10EA030N
TO LAMP SENS.
K8O J10EA040N
TO TEMP. SENS.
SIGNAL
C812 KZ 0.01FA
C811 16EM 10AE
L803 L2A2100JJ
A0 A1 A2 VSS VDD TEST SCL SDA
IC807 X24C08P :24LC08B/P
IC807
MEMORY
R100 1/10GJ 10K
C830 KZ 0.01FA
K8P J10EA050N
SCL SDA VIDEO MUTE CG/VIDEO
TO SIGNAL
R860 1/10 GJ2.7K
Q806 2SC2812 L6
Q807 2SC2812 L6
R856 1/10 GJ4.7K
R859 1/10 GJ18K
K8Q J10EA030N
RELAY DRIV POW FAIL
TO POW
K8R J10EA040N
D-STO D-DATA D-CLK
TO TM
9
10
11
12
13
14
15
G
H
I
J
K
L
P4F 02
97G

	R857	R857
M4FA/B	X	10K
M4FC/D	10K	X
P4FA/B P4FC/D P4FE/F	10K	10K

④

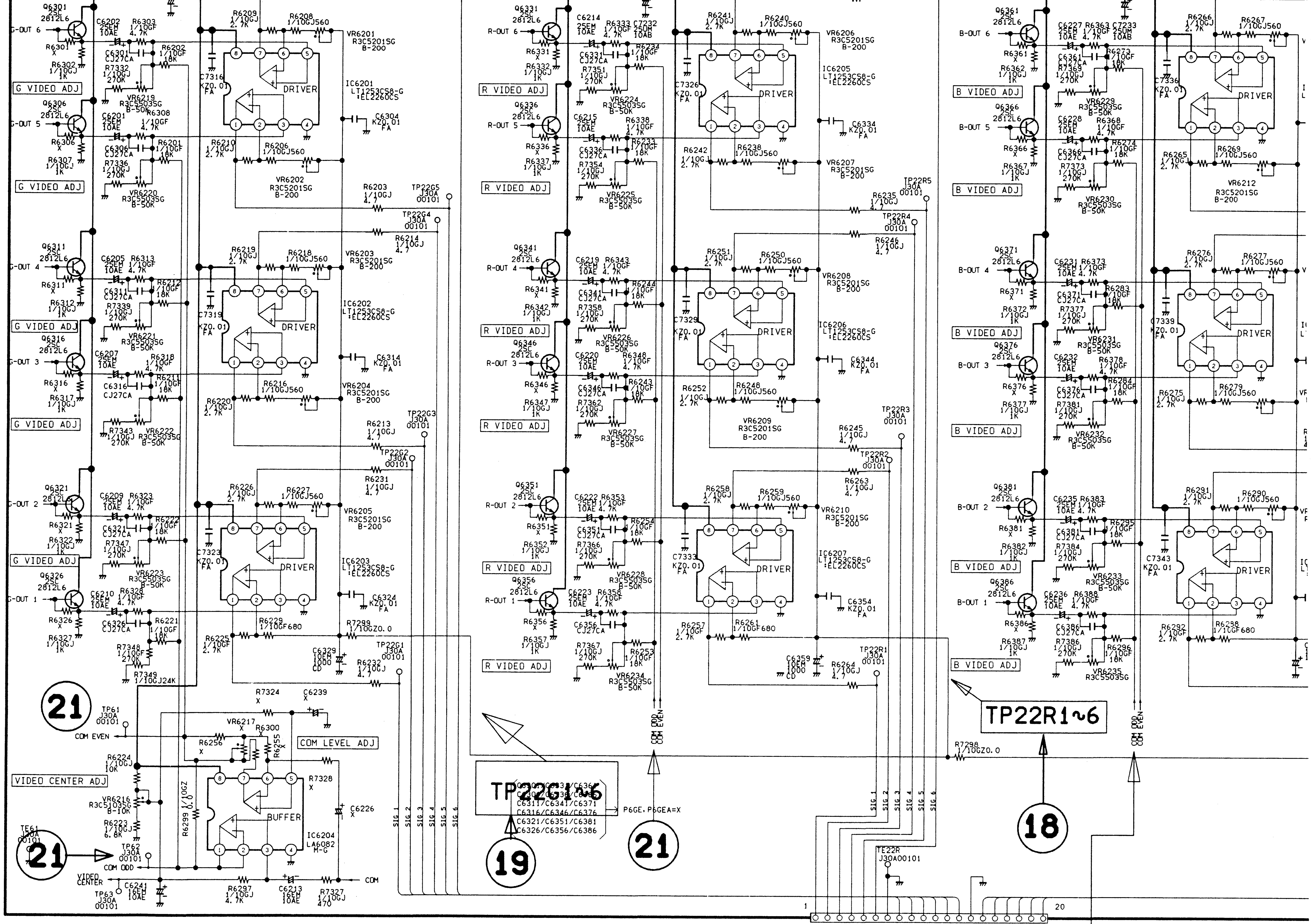
MODEL PLV-20E/20B

Service Ref.No. PLV-20E00/20B00


1
2
3
4
5
6
7
8
A
B
C
D
E
F
IC351
VIDEO TONE
APERTURE CORRECTION
CORING
IC352
MATRIX& SWITCH
VR6401
VIDEO GAIN ADJ
11 Y
IC351 CXA1420P
VIDEO TONE
Y3 IN
Y3
GND
Y2 IN
Y2
B-HOLE
Y1
Y1 IN
Y IN
S/N
REG
IREF
DP OUT
DP IN
APL
Y-OUT
CLP
BLK
COUT
GND
CIN
VCC
SCL
SDA
IC352 TDA4680/V6
VIDEO PROCESSOR
BLK2
R2
G2
B2
VCC
B-Y
R-Y
Y
GND
R1
G1
B1
BLK1
SC
SCL
SDA
TWT
CR
R-OUT
CG
G-OUT
CB
B-OUT
AKB
VF
CL
CFD
ABL
9V
8VA
HVBLK
SCL2
SDA2
IC7301 LA6082M-G
GAMMA
Q7301
Q7303 2SC2812L6
Q7304
Q7306 2SC2812L6
X7301
D7303 DSB015
D7306 DSB015
D7307 DSB015
TP7302 J30A 00101
Q313 2SA1179M6
VR6401 R3C3103SJ B-10K
VIDEO GAIN ADJ
Q314 2SC2812L6
Q316 2SC2812L6
Q317 2SC2812L6
Q370 2SC2812L6
D316 DSB015
D366 DSB015
Q321 2SA1179M6
Q319 2SA1179M6
Q318 2SA1179M6
D319
D318
D317
L6453
L6452
L6451
R
G
B
Y
B-Y
R-Y
10
8
9
12
13
14
FROM SCAN CHANGE BOARD K22A
K2G J10EA050N
K2F J10EA060N
K2P J10EA050N
K2B J10EA050N
TO D.S
TO MAIN
CG-R
CG-G
CG-B
CLP
SCL
SDA
VMUTE
CG/VIDEO
R-DSP
G-DSP
B-DSP
BLKO
BGP3
VHBLK
K2GA J10EA060N
BGP2
CLP1
CLP2
VT
VHBLK
HVBLK
TP20R J30A 00101
TP20G J30A 00101
TP20B J30A 00101
TE20 J30A 00101
VIDEO GAIN
TP20R/
R VIDEO ADJ
G VIDEO ADJ
R VIDEO ADJ
VR203 R3C3303SJ B-30K
VR204 R3C3303SJ B-30K
VR205 R3C3303S B-30K
D201 UZ-8.2 BCB
-8V
VR6216 TP22G6
VIDEO CENTER ADJ
TP22G6 J30A 00101
TP22R6 J30A 00101
8VB
15V1
Q6301 2SC2812L6
Q6331 2SC2812L6
Q6361 2SC2812L6
G-OUT 6
R-OUT 6
B-OUT 6
VR6201 R3C5201SG B-200
VR6206 R3C5201SG B-200
IC6201 LT1253CS8-G :EL2260CS
IC6205 LT1253CS8-G :EL2260CS
DRIVER
G VIDEO ADJ
R VIDEO ADJ
B VIDEO ADJ
VR6219 R3C5503SG B-50K
VR6224 R3C5503SG
VR6229 R3C5503SG

IC6201~03
IC6205~07
IC6209~11

BUFFER & VIDEO ADJ


G VIDEO ADJ
R VIDEO ADJ
B VIDEO ADJ
DRIVER
BUFFER
COM LEVEL ADJ
VIDEO CENTER ADJ
IC6201 LT1253CS8-G :EL2260CS
IC6202 LT1253CS8-G :EL2260CS
IC6203 LT1253CS8-G :EL2260CS
IC6205 LT1253CS8-G :EL2260CS
IC6206 LT1253CS8-G :EL2260CS
IC6207 LT1253CS8-G :EL2260CS
IC6204 LA6082 M-G
G-OUT 6
G-OUT 5
G-OUT 4
G-OUT 3
G-OUT 2
G-OUT 1
R-OUT 6
R-OUT 5
R-OUT 4
R-OUT 3
R-OUT 2
R-OUT 1
B-OUT 6
B-OUT 5
B-OUT 4
B-OUT 3
B-OUT 2
B-OUT 1
COM EVEN
COM ODD
VIDEO CENTER
COM
SIG 1
SIG 2
SIG 3
SIG 4
SIG 5
SIG 6
TP22G1~6
TP22R1~6
C6301/C6331/C6361
C6306/C6336/C6366
C6311/C6341/C6371
C6316/C6346/C6376
C6321/C6351/C6381
C6326/C6356/C6386
P6GE, P6GEA=X
K21B J11B01200
TE22R J30A00101
21
19
18

VR6216	TP22G6
VIDEO CENTER ADJ	

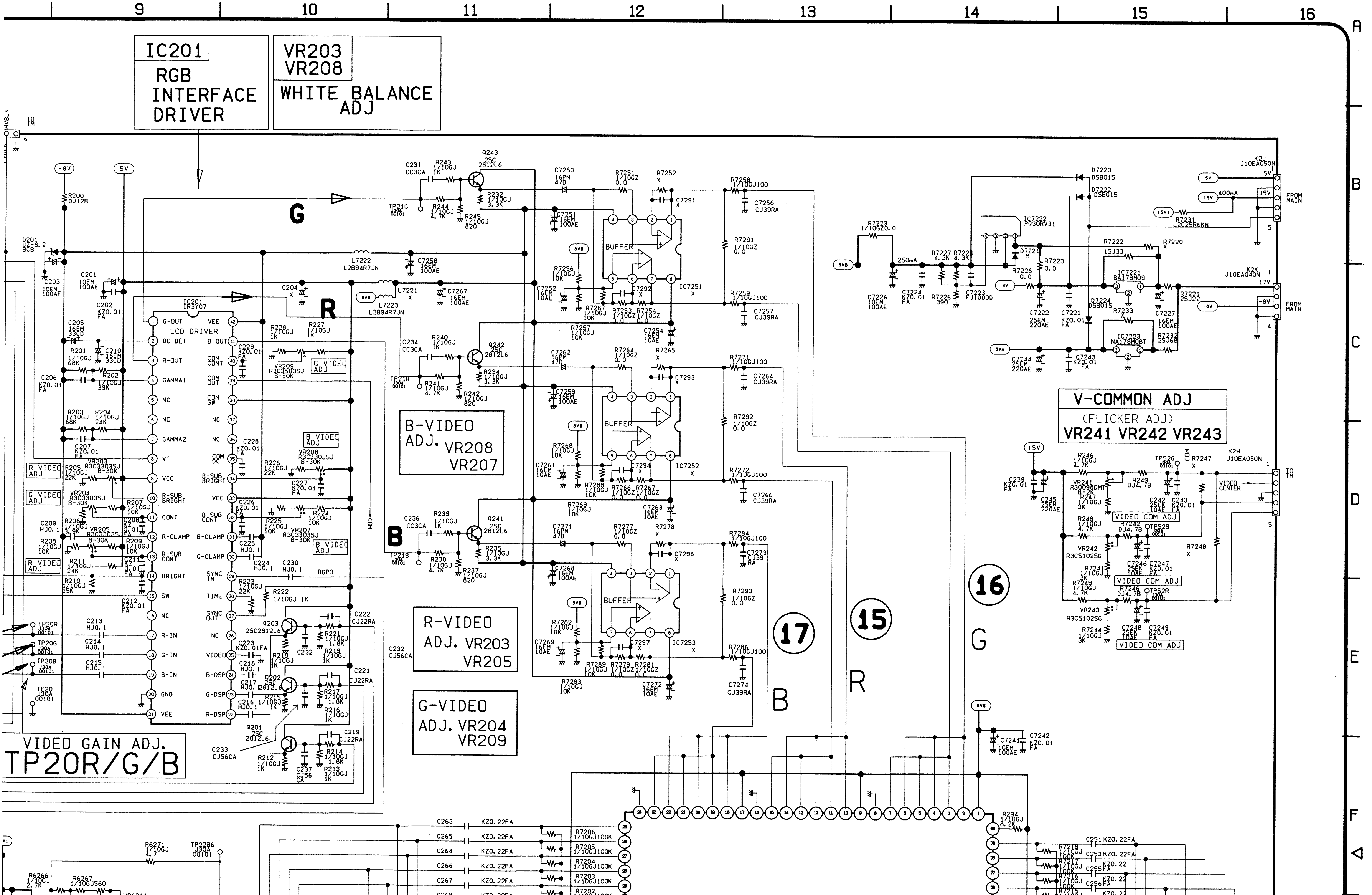
G VIDEO

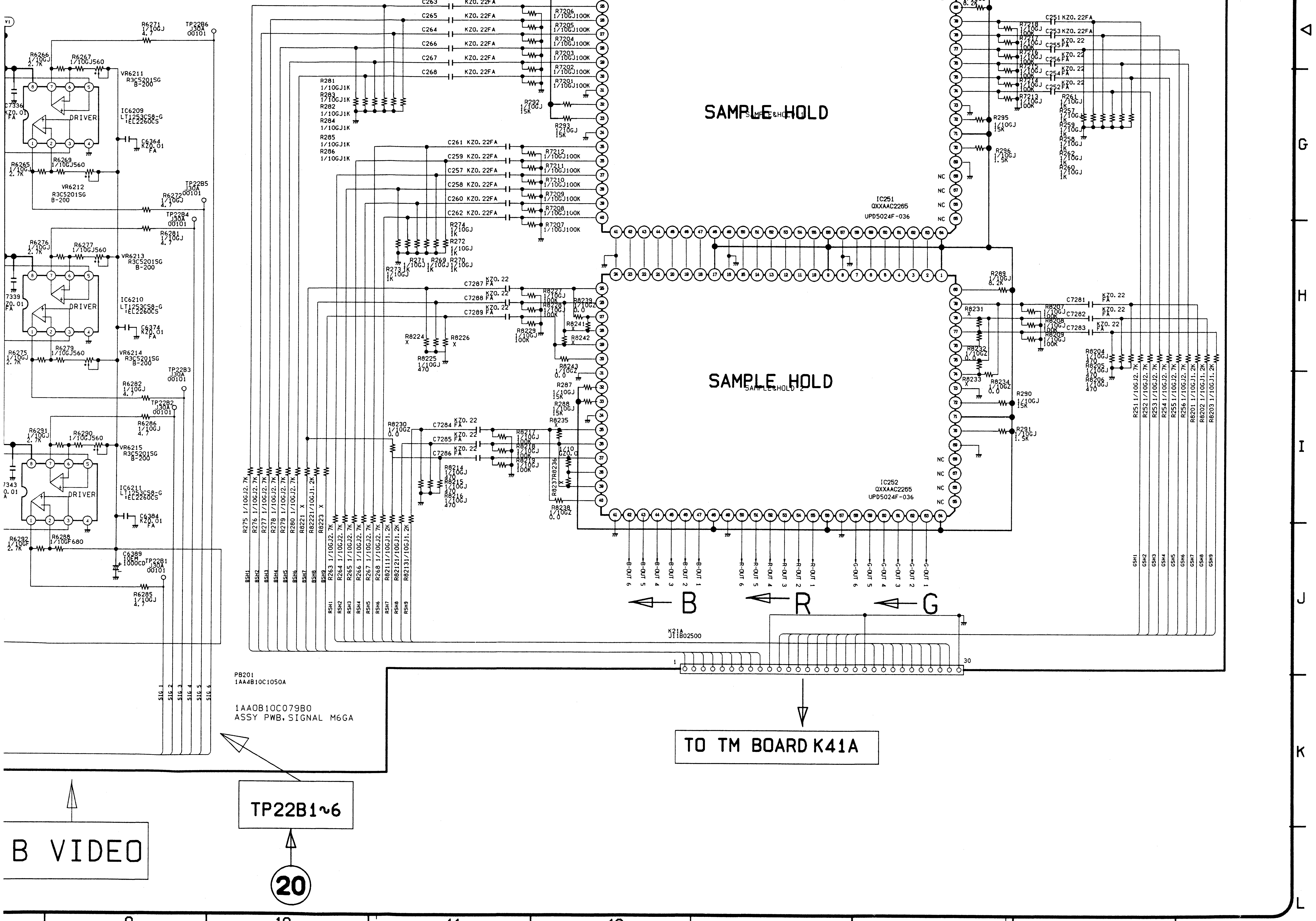
R VIDEO

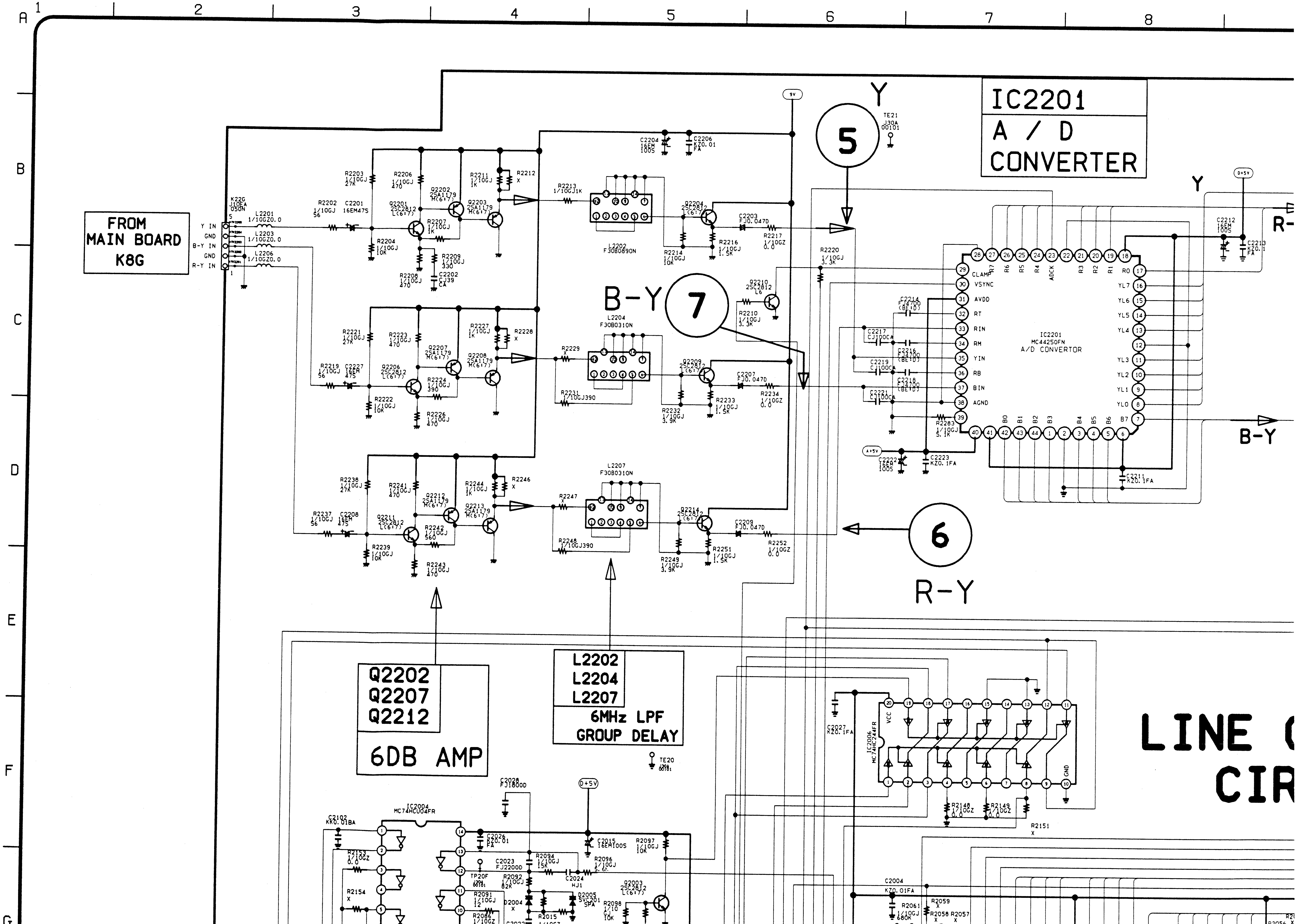
TO TM BOARD K41B

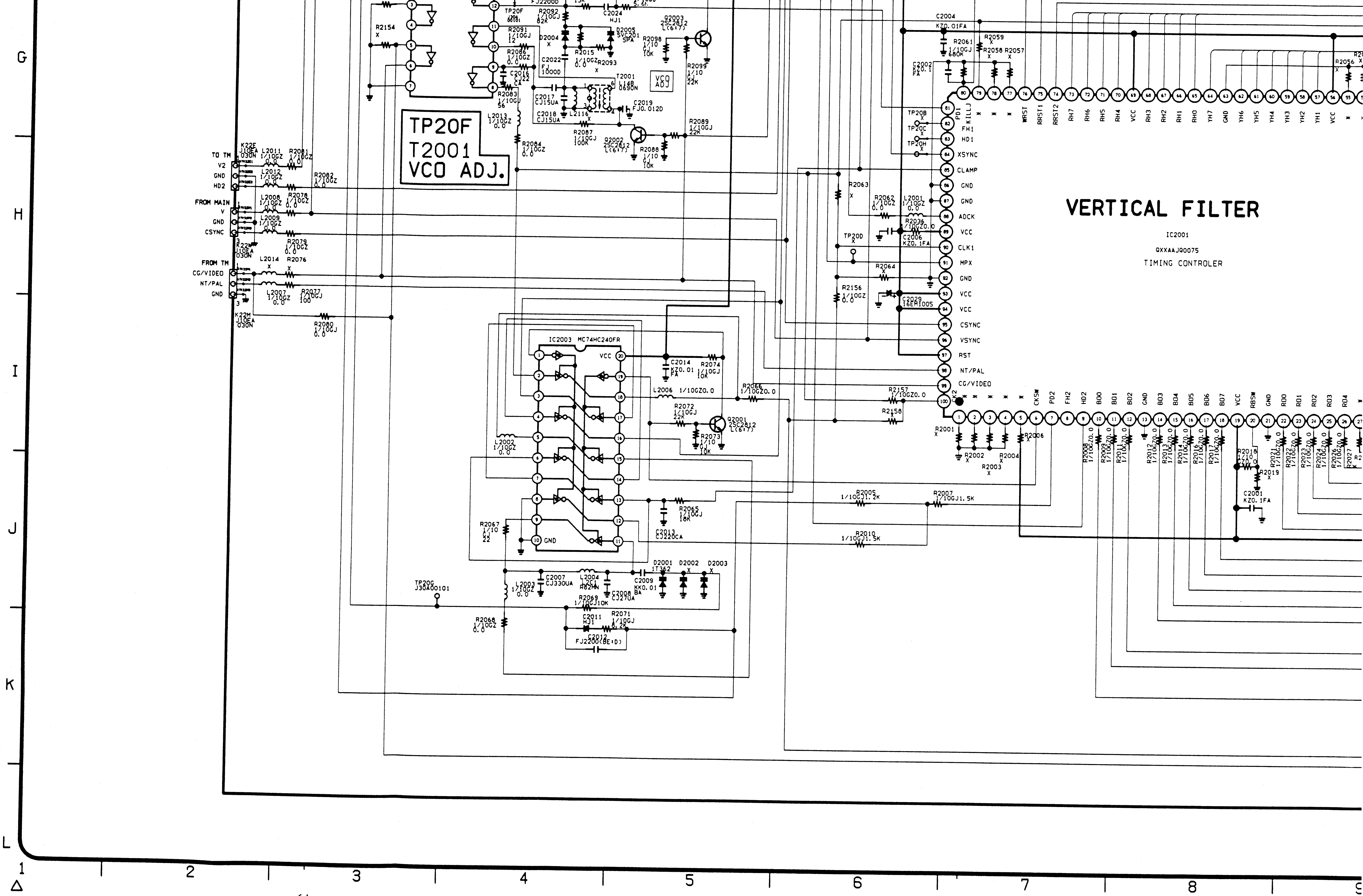
21

B VIDE


9
10
11
12
13
14
15
16
A
B
C
D
E
F
IC201
RGB INTERFACE DRIVER
VR203
VR208
WHITE BALANCE ADJ
G
R
B
IC201 IR3Y07
LCD DRIVER
G-OUT
DC DET
R-OUT
GAMMA1
NC
GAMMA2
VT
VCC
R-SUB BRIGHT
CONT
R-CLAMP
R-SUB CONT
BRIGHT
SW
R-IN
G-IN
B-IN
GND
VEE
B-OUT
COM CONT
COM OUT
COM SW
COM DC
B-SUB BRIGHT
B-SUB CONT
B-CLAMP
G-CLAMP
SYNC IN
TIME
SYNC OUT
VIDEO
B-DSP
G-DSP
R-DSP
B-VIDEO ADJ. VR208 VR207
R-VIDEO ADJ. VR203 VR205
G-VIDEO ADJ. VR204 VR209
R VIDEO ADJ
G VIDEO ADJ
B VIDEO ADJ
VIDEO GAIN ADJ.
TP20R/G/B
Q243 2SC2812L6
Q242 2SC2812L6
Q241 2SC2812L6
Q203 2SC2812L6
Q202 2SC2812L6
Q201 2SC2812L6
BUFFER
IC7251
IC7252
IC7253
L7222 L2B94R7JN
L7221
L7223 L2B94R7JN
D201 UZ-8.2 BCB
TP21G
TP21R
TP21B
TP20R
TP20G
TP20B
TE20
TP22B6
BGP3
17
15
16
B
R
G
V-COMMON ADJ
(FLICKER ADJ)
VR241 VR242 VR243
VIDEO COM ADJ
VIDEO CENTER
IC7222 PQ30RV31
IC7221 BA178M09
IC7223 NA178M08T
D7223 DSB015
D7222 DSB015
D7224 DSB015
K2J J10EA050N
K2K J10EA040N
K2H J10EA050N
FROM MAIN
TO TM
-8V
5V
15V
8VB
8VA
17V
400mA
250mA
C263 KZ0.22FA
C265 KZ0.22FA
C264 KZ0.22FA
C266 KZ0.22FA
C267 KZ0.22FA
R7206 1/10GJ100K
R7205 1/10GJ100K
R7204 1/10GJ100K
R7203 1/10GJ100K
R294 1/10GJ 8.2K
C251 KZ0.22FA
C253 KZ0.22FA
R6271 1/10GJ 4.7
R6266 1/10GJ 2.7K
R6267 1/10GJ560


SAMPLE HOLD
SAMPLE&HOLD 1
SAMPLE HOLD
SAMPLE&HOLD 2
IC251
QXXAAC2265
UPD5024F-036
IC252
QXXAAC2265
UPD5024F-036
IC6209
LT1253CS8-G
:EL2260CS
IC6210
LT1253CS8-G
:EL2260CS
IC6211
LT1253CS8-G
:EL2260CS
DRIVER
VR6211
R3C5201SG
B-200
VR6212
R3C5201SG
B-200
VR6213
R3C5201SG
B-200
VR6214
R3C5201SG
B-200
VR6215
R3C5201SG
B-200
TP22B1
TP22B2
TP22B3
TP22B4
TP22B5
TP22B6
J30A
00101
C6389
10EM
1000CD
B-OUT 6
B-OUT 5
B-OUT 4
B-OUT 3
B-OUT 2
B-OUT 1
R-OUT 6
R-OUT 5
R-OUT 4
R-OUT 3
R-OUT 2
R-OUT 1
G-OUT 6
G-OUT 5
G-OUT 4
G-OUT 3
G-OUT 2
G-OUT 1
B
R
G
BSH1
BSH2
BSH3
BSH4
BSH5
BSH6
BSH7
BSH8
BSH9
RSH1
RSH2
RSH3
RSH4
RSH5
RSH6
RSH7
RSH8
RSH9
GSH1
GSH2
GSH3
GSH4
GSH5
GSH6
GSH7
GSH8
GSH9
SIG 1
SIG 2
SIG 3
SIG 4
SIG 5
SIG 6
K21A
JI1B02500
1
30
PB201
1AA4B10C1050A
1AA0B10C079B0
ASSY PWB, SIGNAL M6GA
TO TM BOARD K41A
B VIDEO
TP22B1~6
20
NC
G
H
I
J
K
L
9
10
11
12
13
14
15
B4E-02SIG 10


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
IC2201
A / D
CONVERTER
FROM
MAIN BOARD
K8G
Y IN
GND
B-Y IN
GND
R-Y IN
K22G
J10EA
050N
Y
5
TE21
J30A
00101
9V
D+5V
A+5V
B-Y
7
R-Y
6
R-
IC2201
MC44250FN
A/D CONVERTOR
CLAMP
VSYNC
AVDD
RT
RIN
RM
YIN
RB
BIN
AGND
R7
R6
R5
R4
ADCK
R3
R2
R1
R0
YL7
YL6
YL5
YL4
YL3
YL2
YL1
YL0
B0
B1
B2
B3
B4
B5
B6
B7
L2202
F30B0890N
L2204
F30B0310N
L2207
F30B0310N
Q2202
Q2207
Q2212
6DB AMP
L2202
L2204
L2207
6MHz LPF
GROUP DELAY
TE20
IC2004
MC74HCU04FR
IC2006
MC74HC244FR
VCC
GND
TP20F
LINE
CIR


VERTICAL FILTER
IC2001
QXXAAJQ0075
TIMING CONTROLER
TP20F
T2001
VCO ADJ.
VCO ADJ
IC2003 MC74HC240FR
VCC
GND
TO TM
V2
GND
HD2
FROM MAIN
V
GND
CSYNC
FROM TM
CG/VIDEO
NT/PAL
GND
K22F J10EA 030N
K22W J10EA 030N
K22M J10EA 030N
PD1
KILLJ
FH1
HD1
XSYNC
CLAMP
GND
GND
ADCK
VCC
CLK1
MPX
GND
VCC
VCC
CSYNC
VSYNC
RST
NT/PAL
CG/VIDEO
WRST
RRST1
RRST2
RH7
RH6
RH5
RH4
VCC
RH3
RH2
RH1
RH0
YH7
GND
YH6
YH5
YH4
YH3
YH2
YH1
VCC
CKSW
PD2
FH2
HD2
B00
B01
B02
GND
B03
B04
B05
B06
B07
VCC
RBSW
GND
R00
R01
R02
R03
R04
Q2001 2SC2812 L(6/7)
Q2002 2SC2812 L(6/7)
Q2003 2SC2812 L(6/7)
TP20B
TP20C
TP20H
TP20D
TP20G J30A00101
D2001 1T362
D2002
D2003
G
H
I
J
K
L
1
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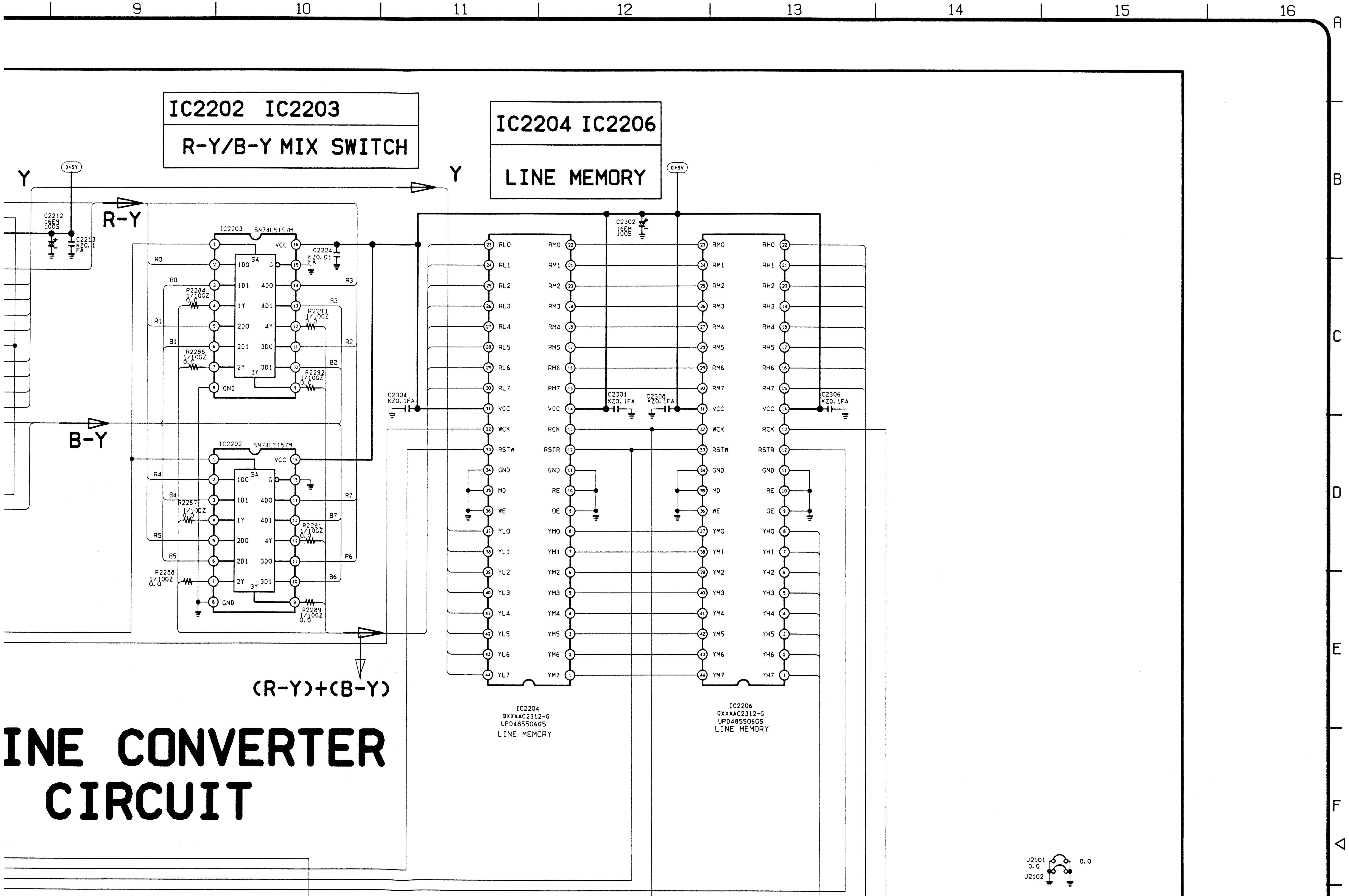
9

INE CONVERTER CIRCUIT



9
10
11
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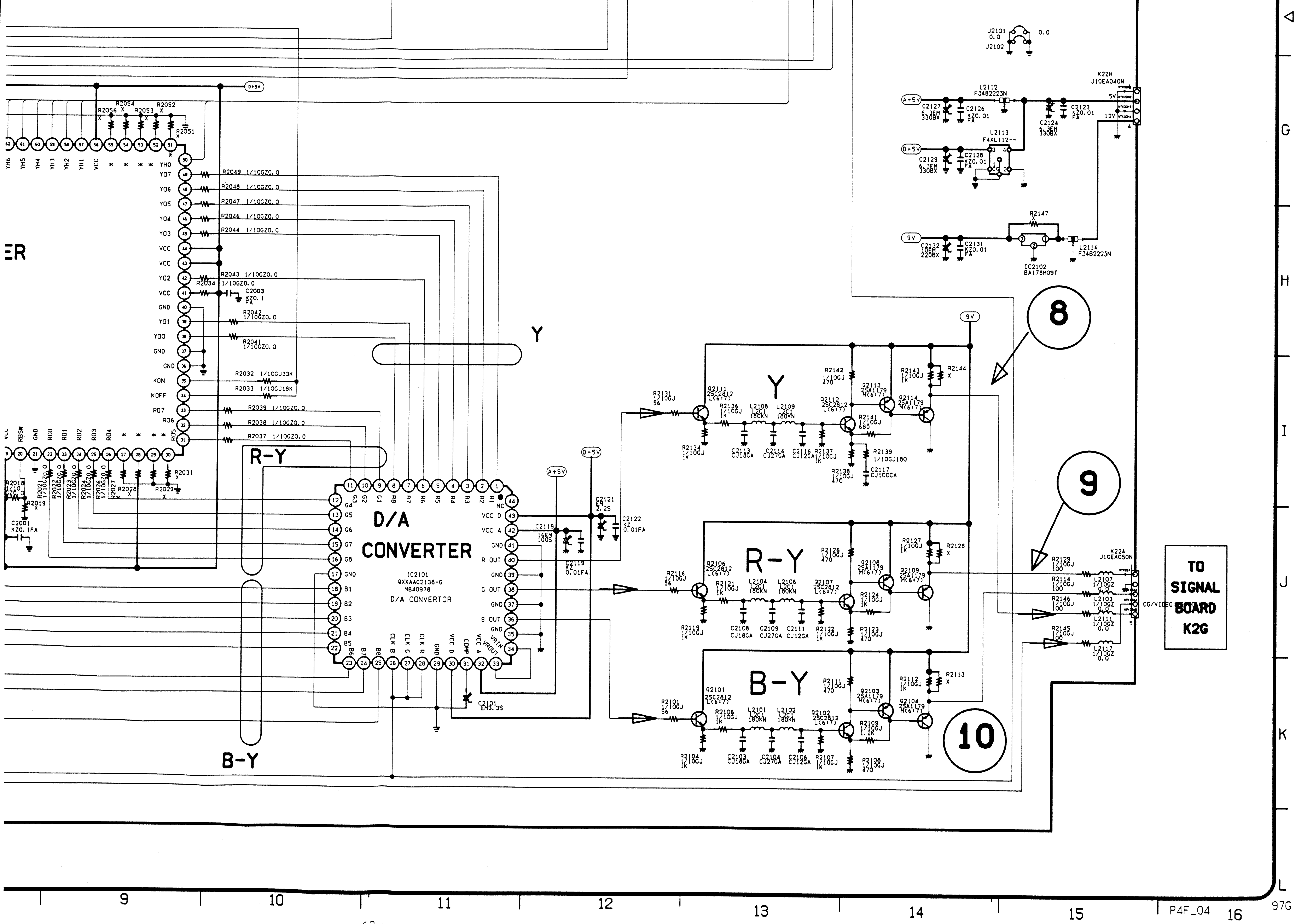
14
15
16
A
B
C
D
E
F
IC2202 IC2203
R-Y/B-Y MIX SWITCH
IC2204 IC2206
LINE MEMORY
Y
R-Y
B-Y
(R-Y)+(B-Y)
D+5V
C2212 16EM 100S
C2213 KZ0.1 FA
IC2203 SN74LS157M
IC2202 SN74LS157M
C2224 KZ0.01 FA
R2284 1/10GZ 0.0
R2286 1/10GZ 0.0
R2293 1/10GZ 0.0
R2292 1/10GZ 0.0
R2287 1/10GZ
R2291 1/10GZ 0.0
R2288 1/10GZ 0.0
R2289 1/10GZ 0.0
R0
B0
R1
B1
R2
B2
R3
B3
R4
B4
R5
B5
R6
B6
R7
B7
SA
1D0
1D1
1Y
2D0
2D1
2Y
3Y
3D1
3D0
4Y
4D1
4D0
G
VCC
GND
C2304 KZ0.1FA
C2302 16EM 100S
C2301 KZ0.1FA
C2308 KZ0.1FA
C2306 KZ0.1FA
RL0
RL1
RL2
RL3
RL4
RL5
RL6
RL7
RM0
RM1
RM2
RM3
RM4
RM5
RM6
RM7
RH0
RH1
RH2
RH3
RH4
RH5
RH6
RH7
WCK
RCK
RSTW
RSTR
MD
RE
WE
OE
YL0
YL1
YL2
YL3
YL4
YL5
YL6
YL7
YM0
YM1
YM2
YM3
YM4
YM5
YM6
YM7
YH0
YH1
YH2
YH3
YH4
YH5
YH6
YH7
IC2204 QXXAAC2312-G UPD485506G5 LINE MEMORY
IC2206 QXXAAC2312-G UPD485506G5 LINE MEMORY
J2101 0.0
J2102
0.0


D/A CONVERTER
IC2101
QXXAAC2138-G
MB40978
D/A CONVERTOR
Y
R-Y
B-Y
8
9
10
TO SIGNAL BOARD K2G
CG/VIDEO
K22A
J10EA050N
K22H
J10EA040N
5V
12V
D+5V
A+5V
9V
J2101
0.0
J2102
L2112
F34B2223N
L2113
F4XL112--
L2114
F34B2223N
C2127
C2126
C2124
C2123
C2129
C2128
C2132
C2131
R2147
IC2102
BA178M09T
C2121
C2122
C2118
C2119
C2101
EM3.3S
Q2111
2SC2812
Q2112
Q2113
2SA1179
Q2114
Q2106
Q2107
Q2108
Q2109
Q2101
Q2102
Q2103
Q2104
R2131
R2116
R2101
R2142
R2143
R2144
R2126
R2127
R2128
R2111
R2112
R2113
R2129
R2114
R2146
R2145
L2107
L2103
L2111
L2117
R2049
R2048
R2047
R2046
R2044
R2043
R2034
C2003
R2042
R2041
R2032
R2033
R2039
R2038
R2037
R2031
R2054
R2053
R2052
R2056
R2051
C2001
YH0
YO7
YO6
YO5
YO4
YO3
VCC
YO2
GND
YO1
YO0
KON
KOFF
RO7
RO6
RO5
ER
9
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12
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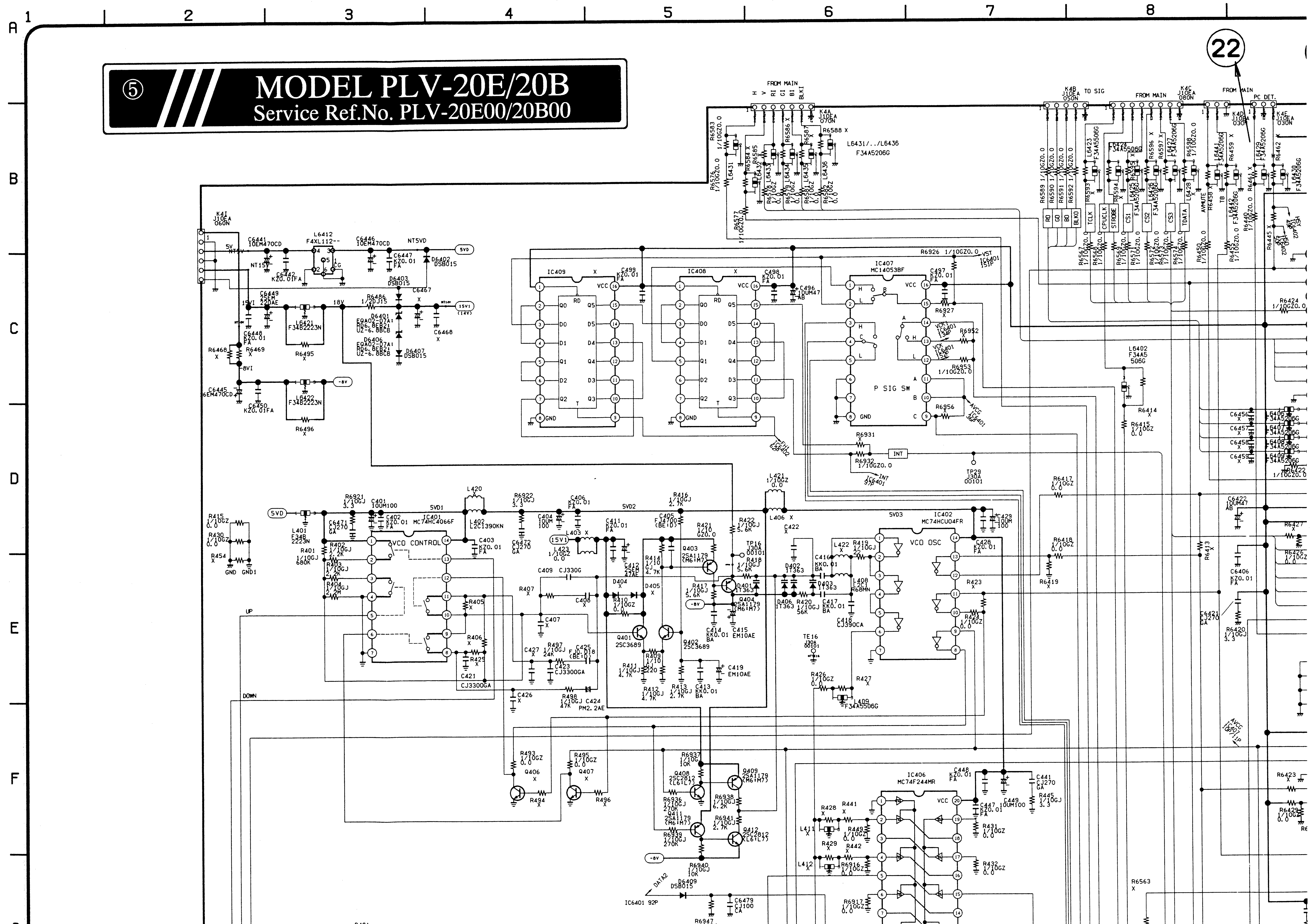
14
15
16
G
H
I
J
K
L
P4F_04
97G

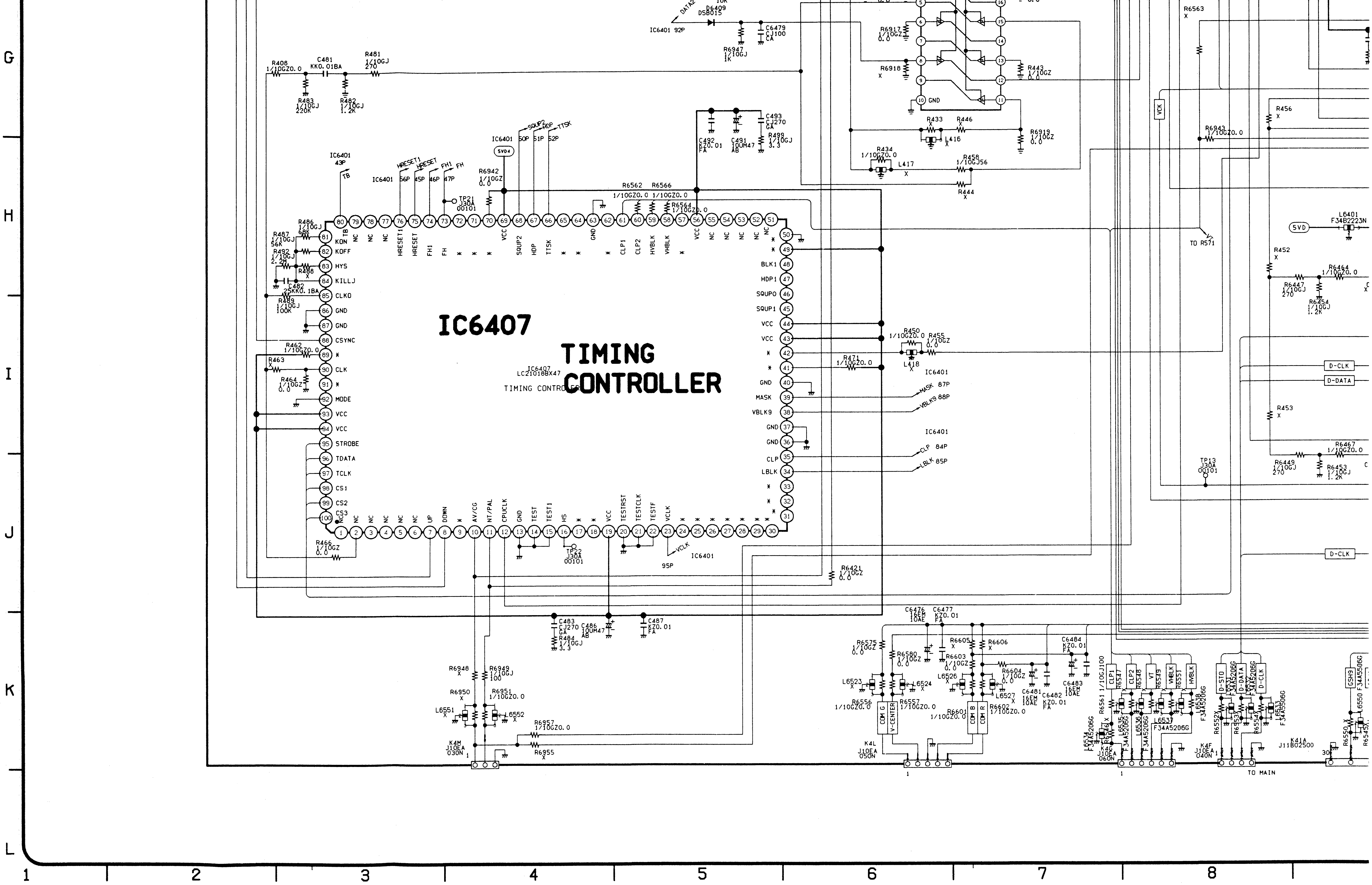
⑤

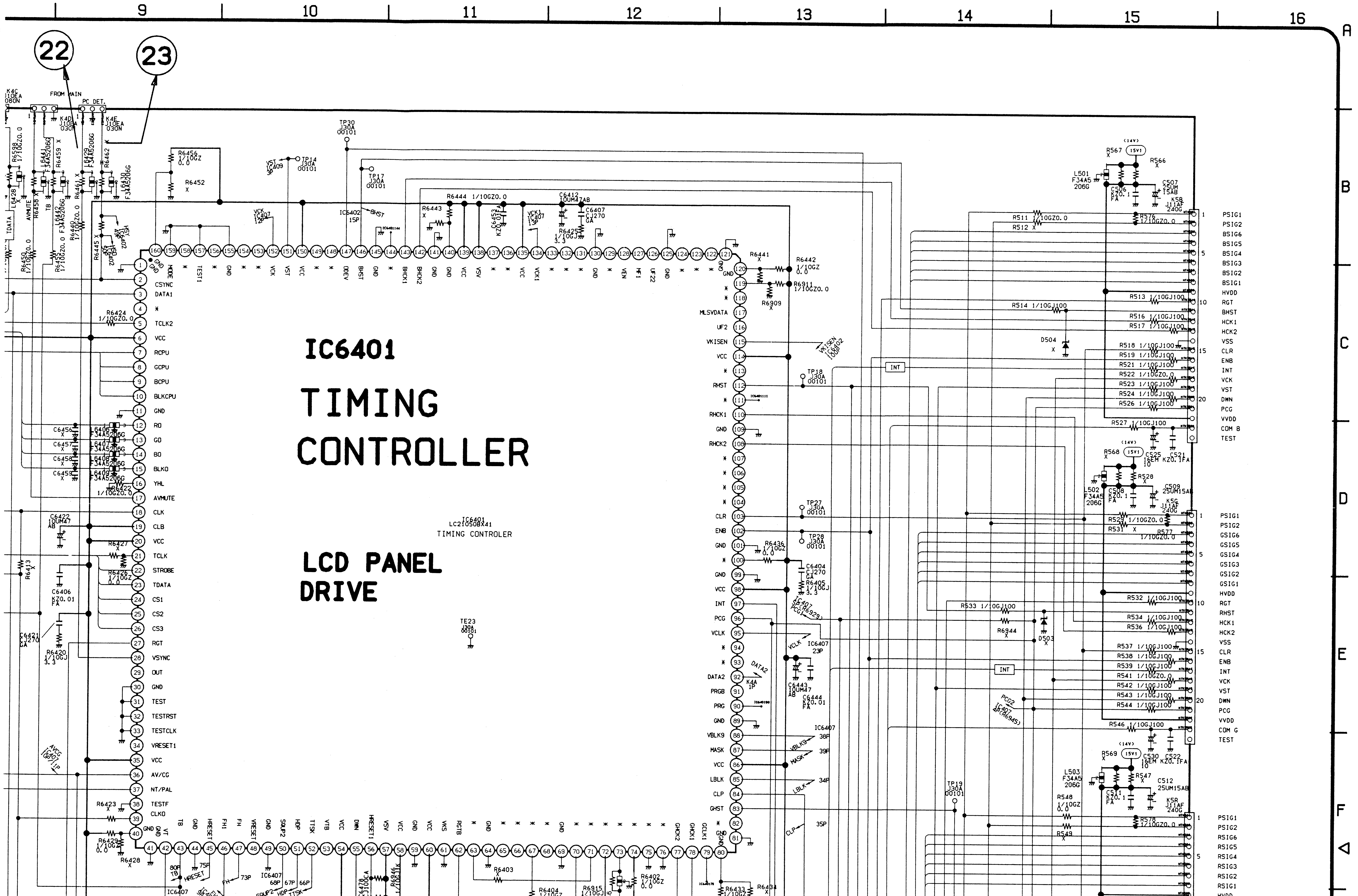
MODEL PLV-20E/20B

Service Ref.No. PLV-20E00/20B00

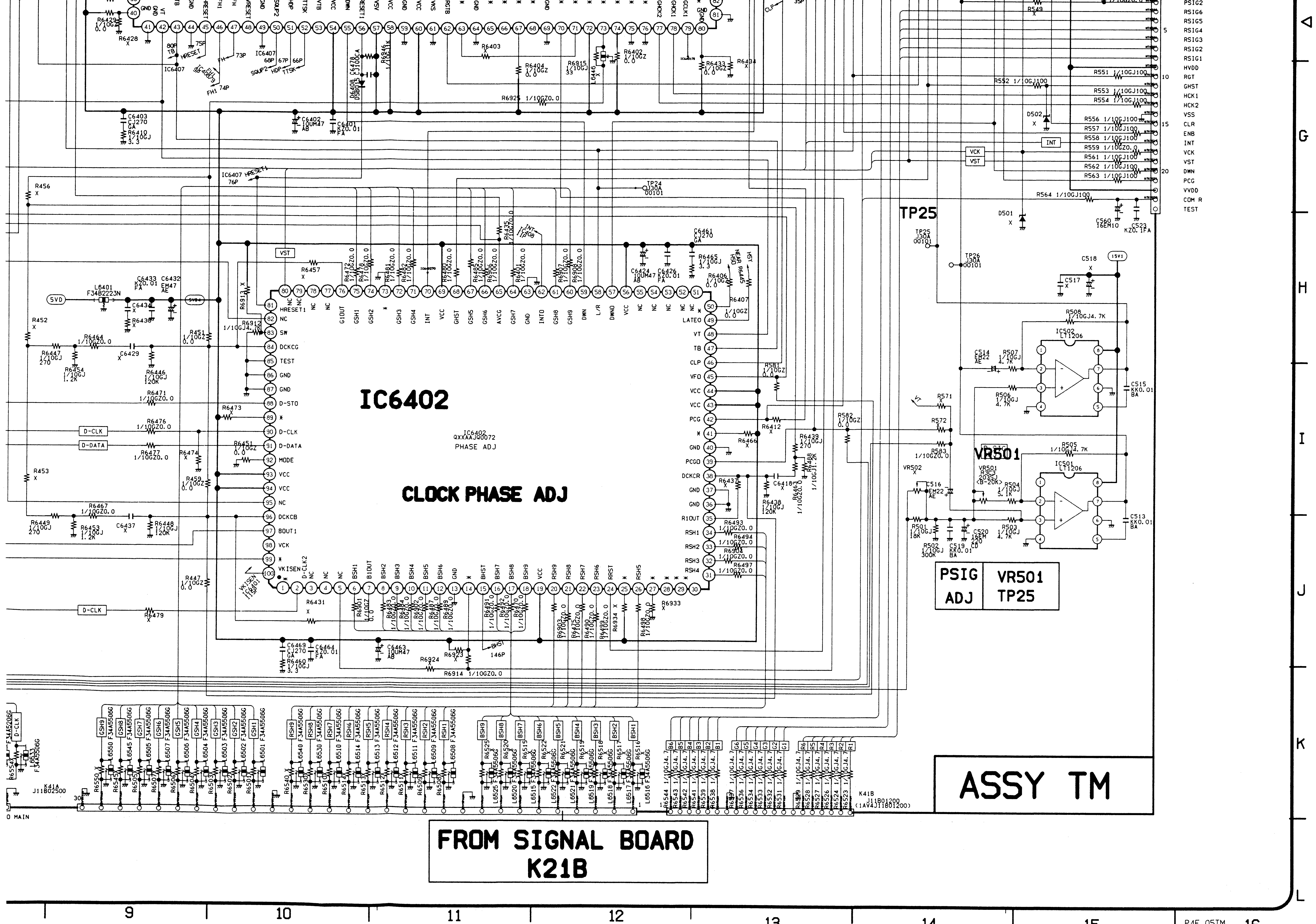


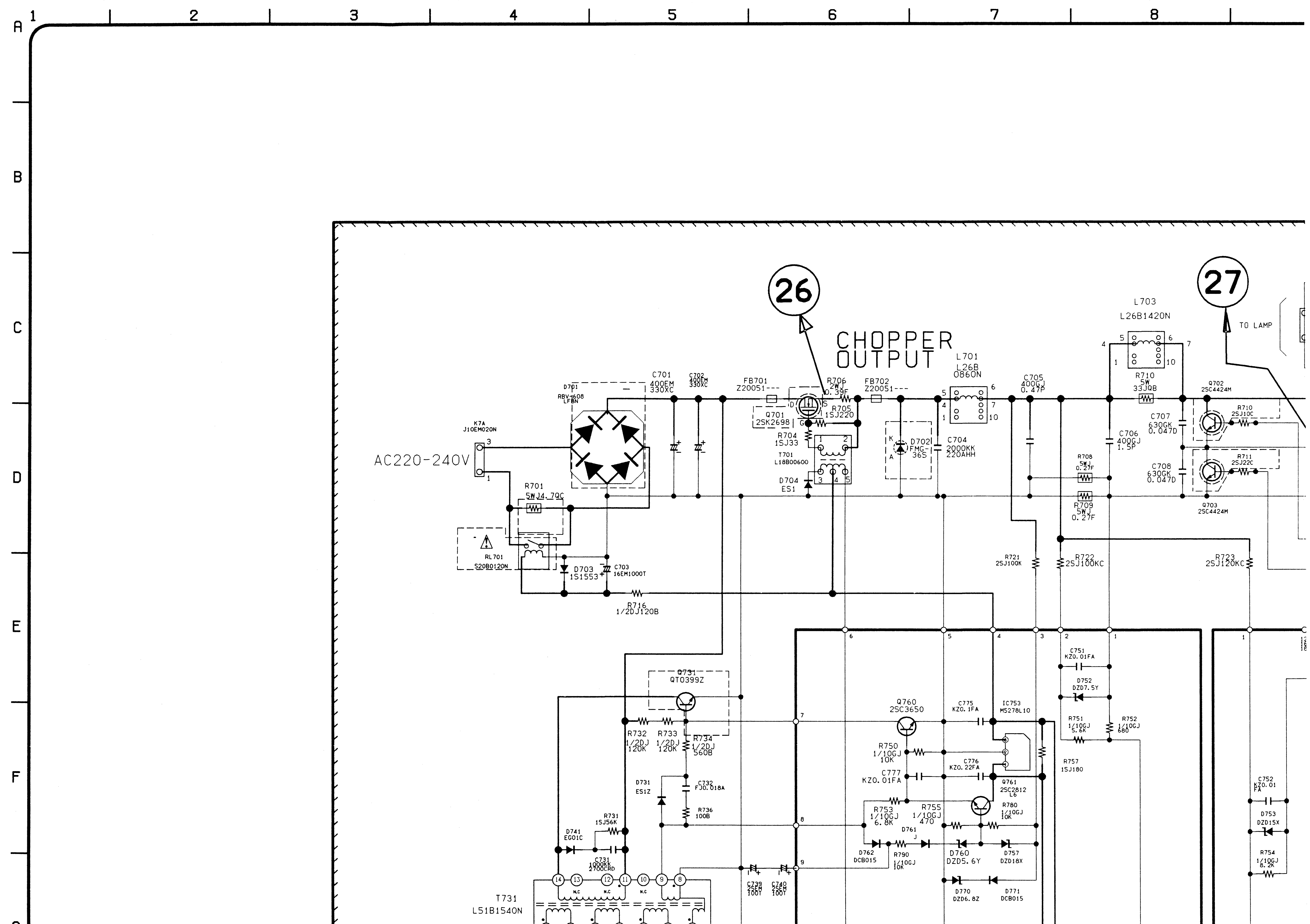
22
1
2
3
4
5
6
7
8
A
B
C
D
E
F
FROM MAIN
H
V
RI
GI
BI
BLKI
K4A J10EA 070N
R6583 1/10GZ0.0
R6588 X
L6431/../L6436 F34A5206G
R6576 1/10GZ0.0
R6577 1/10GZ0.0
K4B J10EA 050N
TO SIG
K4C J10EA 080N
K4D J10EA 030N
PC DET.
K4E J10EA 030N
R6589 1/10GZ0.0
R6590 1/10GZ0.0
R6591 1/10GZ0.0
R6592 1/10GZ0.0
RO
GO
BO
BLKO
TCLK
CPUCLK
STROBE
CS1
CS2
CS3
TDATA
AVMUTE
TB
K4I J10EA 060N
5V
NT5V
NT15V
C6441 10EM470CD
L6412 F4XL112--
C6446 10EM470CD
NT5VD
C6447 KZ0.01 FA
D6402 DSB015
5VD
C6442 KZ0.01FA
D6403 DSB015
C6467
C6449 25EM 220AE
15VI
18V
R6486 1/2DJ15
D6401 EQA02-07A RD6.8EB2 UZ-6.8BCB
15VI (14V)
L6421 F34B2223N
C6448 KZ0.01 FA
D6406 EQA02-07A RD6.8EB2 UZ-6.8BCB
D6407 DSB015
C6468 X
R6468 X
R6469 X
R6495 X
-8VI
C6445 6EM470CD
C6450 KZ0.01FA
L6422 F34B2223N
-8V
R6496 X
IC409
IC408
IC407 MC14053BF
C499 KZ0.01 FA
C498 KZ0.01 FA
C496 10UM47 AB
C497 KZ0.01 FA
R6926 1/10GZ0.0
VST IC6401 15IP
VCC
RD
Q0
Q1
Q2
Q3
Q4
Q5
D0
D1
D2
D3
D4
D5
GND
P SIG SW
R6927 X
R6952
R6953 1/10GZ0.0
R6956 X
VCK1 IC6401 14P
VCK IC6401 13P
AVCC IC6401
R6931 X
R6932 1/10GZ0.0
INT
INT IC6401 97P
TP29 J30A 00101
L6402 F34A5 506G
R6414 X
R6415 1/10GZ 0.0
R6424 1/10GZ0.0
C6456 X
C6457 X
C6458 X
C6459 X
L6406 F34A5206G
L6407 F34A5206G
L6408 F34A5206G
L6409 F34A5206G
R6422 1/10GZ0.0
R6417 1/10GZ 0.0
C6422 10UM47 AB
R6418 1/10GZ 0.0
R6419 X
R6413 X
C6406 KZ0.01 FA
C6421 CJ270 GA
R6420 1/10GJ 3.3
R6427
R6426 1/10GZ 0.0
R415 1/10GZ 0.0
R430 1/10GZ 0.0
R454 X
GND
GND1
5VD
L401 F34B 2223N
R401 1/10GJ 680K
R6921 1/10GJ 3.3
C6471 CJ270 GA
C401 10UM100
C402 KZ0.01 FA
IC401 MC74HC4066F
5VD1
VCO CONTROL
R402 1/10GJ 2.2K
R403 1/10GJ 2.2K
R404 1/10GJ 2.2M
L420 X
L402 L2C1390KN
C403 KZ0.01 FA
R6922 1/10GJ 3.3
C6472 CJ270 GA
C406 KZ0.01 FA
C404 10UM 100
L403 X
15V1
L423 1/10GZ 0.0
5VD2
C411 KZ0.01 FA
C405 FJ4700 (BE:D)
R416 1/10GJ 2.7K
R421 1/10 GZ0.0
R422 1/10GJ 5.6K
L421 1/10GZ 0.0
L406 X
C422 X
TP16 J30A 00101
R418 1/10GJ 5.6K
C409 CJ330G
R407 X
C408 X
C407 X
R405 X
R406 X
R425 X
C412 25EM 47AE
R414 1/10 GJ 4.7K
Q403 2SA1179 (M6+M7)
D404 X
D405 X
R410 1/10GZ 0.0
R417 1/10GJ 5.6K
Q401 1T363
Q404 2SA1179 (M6+M7)
Q401 2SC3689
Q402 2SC3689
C414 KK0.01 BA
C415 EM10AE
C419 EM10AE
R409 1/10 GJ 220
R411 1/10GJ 4.7K
R412 1/10GJ 4.7K
R413 1/10GJ 2.7K
C413 KK0.01 BA
C427 X
R497 1/10GJ 24K
C425 FJ0.018 (BE:D)
C423 CJ3300GA
C421 CJ3300GA
C426 X
R498 1/10GJ 47K
C424 PM2.2AE
UP
DOWN
D402 1T363
D403 1T363
D406 1T363
C416 KK0.01 BA
R420 1/10GJ 56K
C417 KK0.01 BA
C418 CJ390CA
L422 X
R419 1/10GJ 22
L408 L2C1 R68MN
5VD3
IC402 MC74HCU04FR
VCO OSC
C428 KZ0.01 FA
C429 10UM 100
R423 X
R424 1/10GZ 0.0
TE16 J30A 00101
R426 1/10GZ 0.0
R427 X
L409 F34A5506G
AVCC IC6401 111P
R493 1/10GZ 0.0
Q406 X
R494 X
R495 1/10GZ 0.0
Q407 X
R496 X
R6937 1/10GJ 10K
Q408 2SC2812 (L6+L7)
Q409 2SA1179 (M6+M7)
R6936 1/10GJ 270K
R6938 1/10GJ 6.2K
Q411 2SA1179 (M6+M7)
R6941 1/10GJ 2.7K
Q412 2SC2812 (L6+L7)
R6939 1/10GJ 270K
R6940 1/10GJ 10K
-8V
DATA2
IC6401 92P
D6409 DSB015
C6479 CJ100 CA
R6947
IC406 MC74F244MR
C448 KZ0.01 FA
C441 CJ270 GA
C447 KZ0.01 FA
C449 10UM100
R445 1/10GJ 3.3
R428 X
R441 X
L411 X
R449 1/10GZ 0.0
R429 X
R442 X
L412 X
R6916 1/10GZ 0.0
R6917 1/10GZ 0.0
R431 1/10GZ 0.0
R432 1/10GZ 0.0
R6563 X
R6423
R6429 1/10GZ 0.0

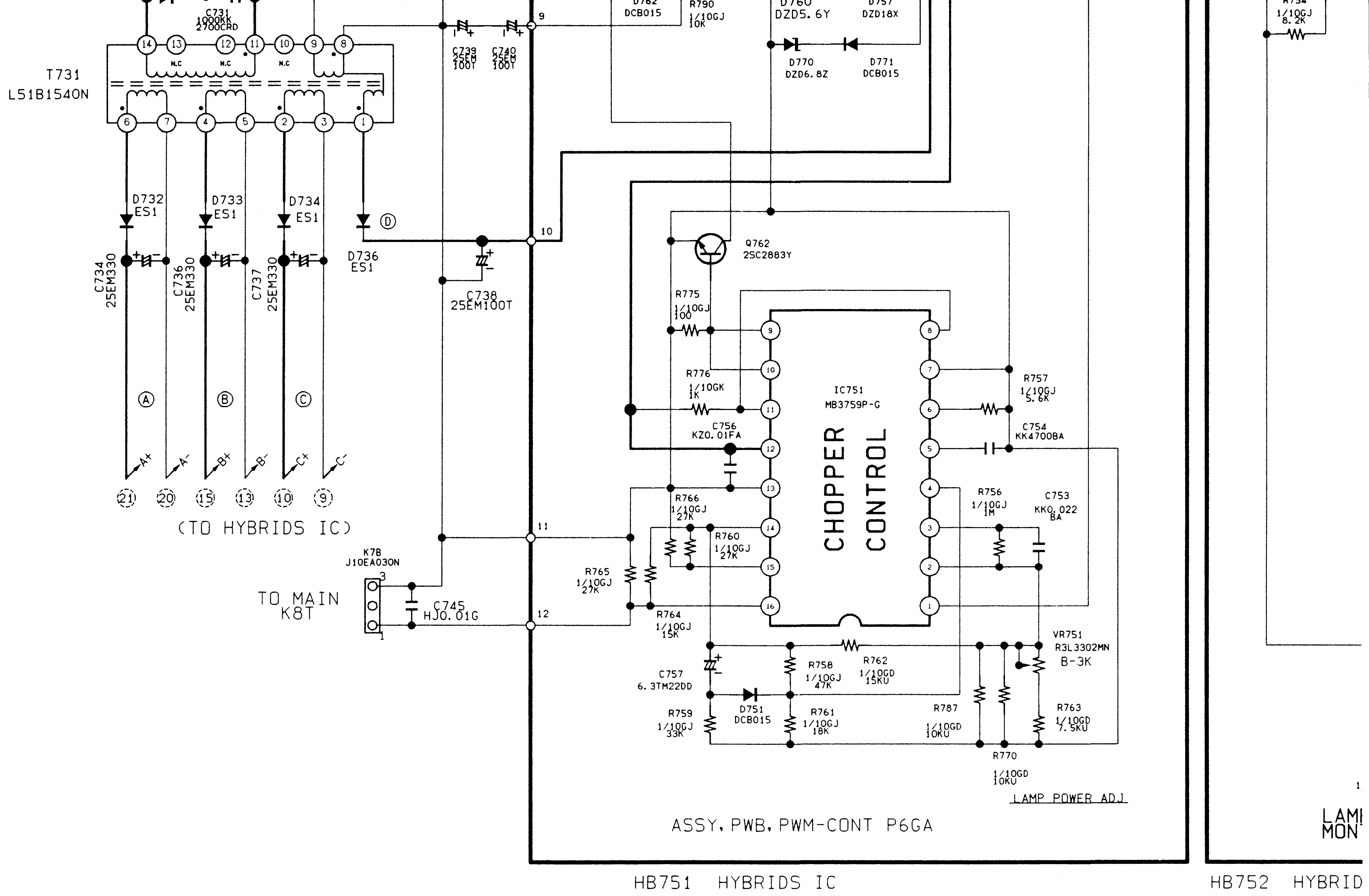

IC6407
TIMING CONTROLLER
IC6407
LC21018BX47
TIMING CONTROLLER
KON
KOFF
HYS
KILLJ
CLKO
GND
GND
CSYNC
CLK
MODE
VCC
VCC
STROBE
TDATA
TCLK
CS1
CS2
CS3
NC
UP
DOWN
AV/CG
NT/PAL
CPUCLK
GND
TEST
TEST1
HS
VCC
TESTRST
TESTCLK
TESTF
VCLK
LBLK
CLP
GND
GND
VBLK9
MASK
GND
VCC
VCC
SQUP1
SQUP0
HDP1
BLK1
TB
HRESET1
HRESET
FH1
FH
VCC
SQUP2
HDP
TTSK
CLP1
CLP2
HVBLK
VHBLK
IC6401 43P
IC6401 56P 45P 46P 47P
IC6401 50P 51P 52P
IC6401 92P
IC6401 95P
IC6401 MASK 87P
VBLK9 88P
IC6401 CLP 84P
LBLK 85P
5VD
TP21 J30A 00101
TP22 J30A 00101
TP13 J30A 00101
D6409 DSB015
TO R571
L6401 F34B2223N
VCK
D-CLK
D-DATA
D-STO
COM G
V-CENTER
COM B
COM R
CLP1
CLP2
VT
VHBLK
HVBLK
GSH9
K4M J10EA 030N
K4L J10EA 050N
K4G J10EA 060N
K4F J10EA 040N
K41A J11B02500
TO MAIN
G
H
I
J
K
L
1
2
3
4
5
6
7
8



9
10
11
12
13
14
15
16
A
B
C
D
E
F
22
23
FROM MAIN
PC DET.
IC6401
TIMING
CONTROLLER
LCD PANEL
DRIVE
IC6401
LC21050BX41
TIMING CONTROLER
TE23
TP30
TP14
TP17
TP18
TP27
TP28
TP19
CSYNC
DATA1
TCLK2
VCC
RCPU
GCPU
BCPU
BLKCPU
GND
RO
GO
BO
BLKO
YHL
AVMUTE
CLK
CLB
TCLK
STROBE
TDATA
CS1
CS2
CS3
RGT
VSYNC
OUT
TEST
TESTRST
TESTCLK
VRESET1
AV/CG
NT/PAL
TESTF
CLKO
MLSVDATA
UF2
VKISEN
RHST
RHCK1
RHCK2
CLR
ENB
INT
PCG
VCLK
DATA2
PRGB
PRG
VBLK9
MASK
LBLK
CLP
GHST
PSIG1
PSIG2
BSIG6
BSIG5
BSIG4
BSIG3
BSIG2
BSIG1
HVDD
RGT
BHST
HCK1
HCK2
VSS
CLR
ENB
INT
VCK
VST
DWN
PCG
VVDD
COM B
TEST
GSIG6
GSIG5
GSIG4
GSIG3
GSIG2
GSIG1
RHST
COM G
RSIG6
RSIG5
RSIG4
RSIG3
RSIG2
RSIG1
IC6407
R6444 1/10GZ0.0
C6412 10UM47AB
C6407 CJ270 GA
R511 1/10GZ0.0
R512 X
R513 1/10GJ100
R514 1/10GJ100
R516 1/10GJ100
R517 1/10GJ100
R518 1/10GJ100
R519 1/10GJ100
R521 1/10GJ100
R522 1/10GZ0.0
R523 1/10GJ100
R524 1/10GJ100
R526 1/10GJ100
R527 1/10GJ100
R532 1/10GJ100
R533 1/10GJ100
R534 1/10GJ100
R536 1/10GJ100
R537 1/10GJ100
R538 1/10GJ100
R539 1/10GJ100
R541 1/10GZ0.0
R542 1/10GJ100
R543 1/10GJ100
R544 1/10GJ100
R546 1/10GJ100
L501 F34A5 206G
L502 F34A5 206G
L503 F34A5 206G
D503
D504
(14V)
15V1


IC6402
IC6402
QXXAAJQ0072
PHASE ADJ
CLOCK PHASE ADJ
TP25
VR501
IC501 LT1206
IC502 LT1206
PSIG ADJ
VR501 TP25
ASSY TM
FROM SIGNAL BOARD K21B
K41A J11B02500
K41B J11B01200 (1AV4J11B01200)
0 MAIN
D-CLK
D-DATA
VST
VCK
INT
5VD
PSIG2
RSIG6
RSIG5
RSIG4
RSIG3
RSIG2
RSIG1
HVDD
RGT
GHST
HCK1
HCK2
VSS
CLR
ENB
INT
VCK
VST
DWN
PCG
VVDD
COM R
TEST
G
H
I
J
K
L
9
10
11
12
13
14
15

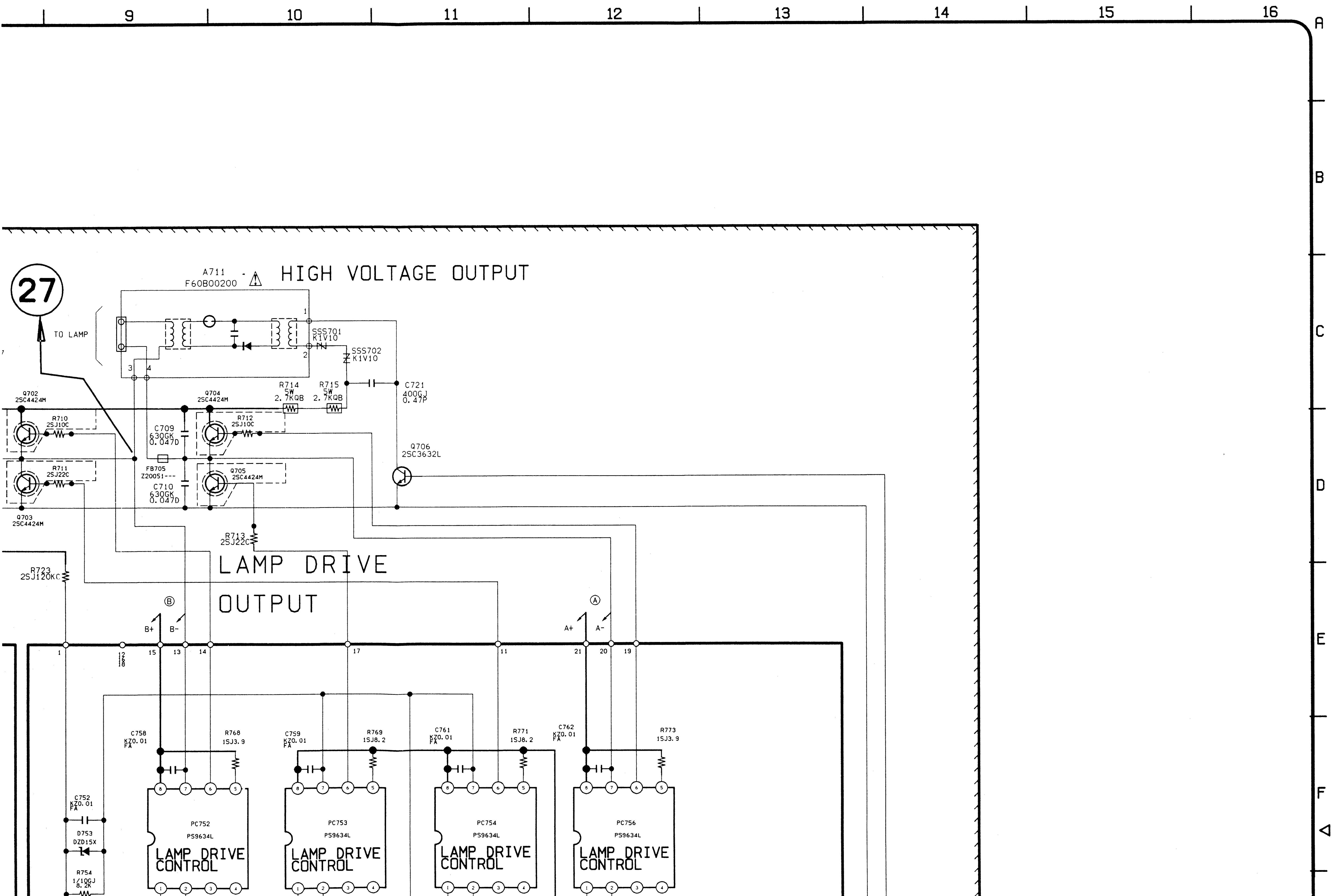

1
2
3
4
5
6
7
8
A
B
C
D
E
F
26
27
CHOPPER OUTPUT
TO LAMP
AC220-240V
K7A
J10EM020N
D701
RBV-608
LFBN
R701
5WJ4.7QC
RL701
S20B0120N
D703
1S1553
C703
16EM1000T
R716
1/2DJ120B
C701
400EM
330XC
C702
400EM
330XC
FB701
Z20051
Q701
2SK2698
R706
2WJ
0.39F
R705
1SJ220
R704
1SJ33
T701
L18B00600
D704
ES1
FB702
Z20051
D702
FMG-36S
C704
2000KK
220AHH
L701
L26B
0860N
C705
400GJ
0.47P
L703
L26B1420N
R710
5W
33JQB
C706
400GJ
1.5P
R708
5WJ
0.27F
R709
5WJ
0.27F
C707
630GK
0.047D
C708
630GK
0.047D
Q702
2SC4424M
Q703
2SC4424M
R710
2SJ10C
R711
2SJ22C
R721
2SJ100K
R722
2SJ100KC
R723
2SJ120KC
Q731
QT0399Z
R732
1/2DJ
120K
R733
1/2DJ
120K
R734
1/2DJ
560B
D731
ES1Z
C732
FJ0.018A
R736
100B
R731
1SJ56K
D741
EG01C
C731
1000KK
2700CRD
T731
L51B1540N
N.C
C739
25EM
100T
C740
25EM
100T
Q760
2SC3650
R750
1/10GJ
10K
C777
KZ0.01FA
C775
KZ0.1FA
C776
KZ0.22FA
IC753
M5278L10
Q761
2SC2812
L6
R753
1/10GJ
6.8K
R755
1/10GJ
470
R780
1/10GJ
10K
D761
J
D762
DCB015
R790
1/10GJ
10K
D760
DZD5.6Y
D757
DZD18X
D770
DZD6.8Z
D771
DCB015
C751
KZ0.01FA
D752
DZD7.5Y
R751
1/10GJ
5.6K
R752
1/10GJ
680
R757
1SJ180
C752
KZ0.01
FA
D753
DZD15X
R754
1/10GJ
8.2K

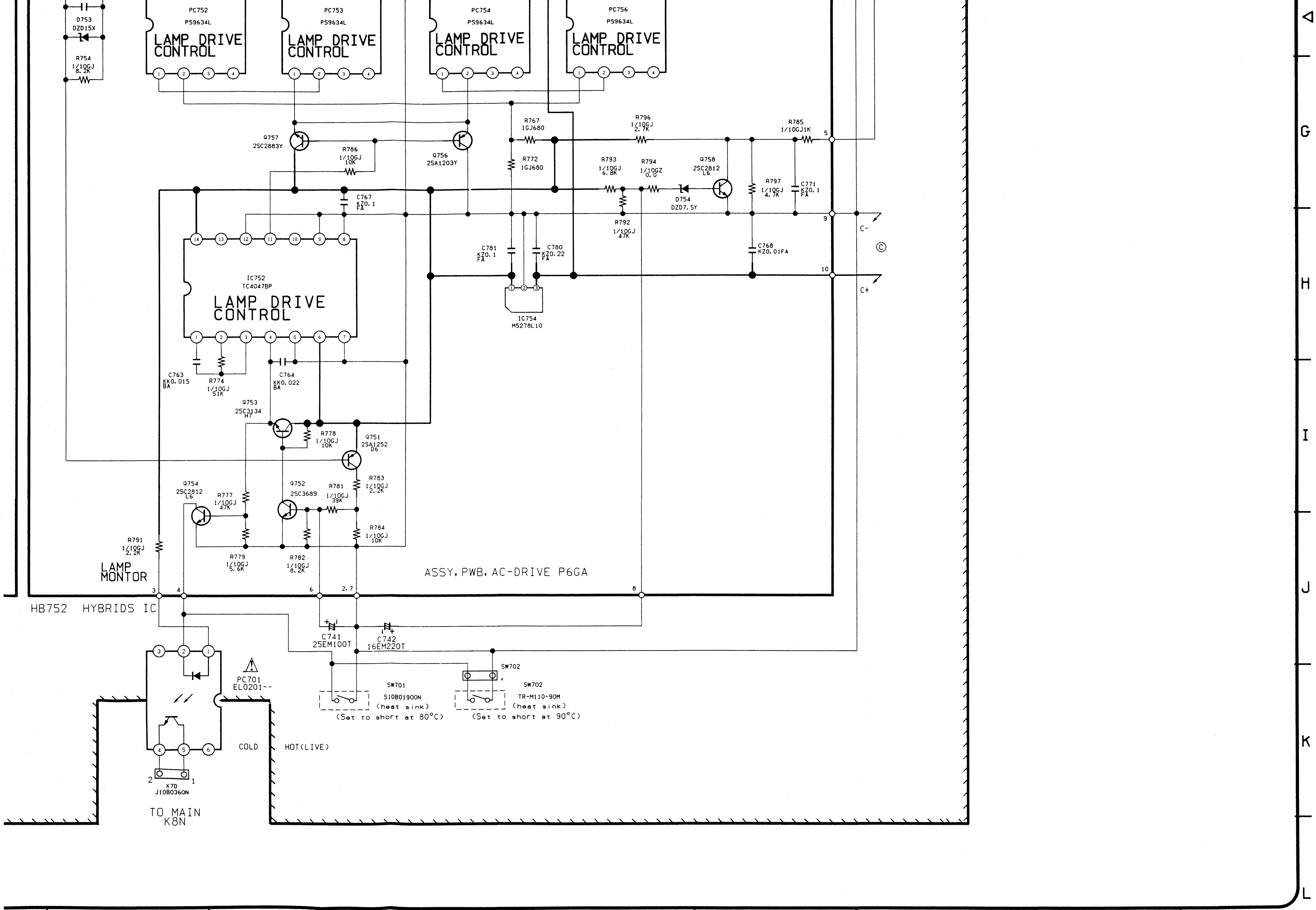

T731
L51B1540N
C731
1000KK
2700CRD
N.C
D732
ES1
D733
ES1
D734
ES1
D736
ES1
C734
25EM330
C736
25EM330
C737
25EM330
C739
25EM
100T
C740
25EM
100T
C738
25EM100T
Ⓐ
Ⓑ
Ⓒ
Ⓓ
A+
A-
B+
B-
C+
C-
(TO HYBRIDS IC)
K7B
J10EA030N
TO MAIN
K8T
C745
HJ0.01G
D762
DCB015
R790
1/10GJ
10K
D760
DZD5.6Y
D757
DZD18X
D770
DZD6.8Z
D771
DCB015
Q762
2SC2883Y
R775
1/10GJ
100
R776
1/10GK
1K
C756
KZ0.01FA
R766
1/10GJ
27K
R760
1/10GJ
27K
R765
1/10GJ
27K
R764
1/10GJ
15K
IC751
MB3759P-G
CHOPPER
CONTROL
R757
1/10GJ
5.6K
C754
KK4700BA
R756
1/10GJ
1M
C753
KK0.022
BA
VR751
R3L3302MN
B-3K
C757
6.3TM22DD
R758
1/10GJ
47K
R762
1/10GD
15KU
D751
DCB015
R759
1/10GJ
33K
R761
1/10GJ
18K
R787
1/10GD
10KU
R763
1/10GD
7.5KU
R770
1/10GD
10KU
LAMP POWER ADJ
ASSY, PWB, PWM-CONT P6GA
HB751 HYBRIDS IC
HB752 HYBRID
R754
1/10GJ
8.2K
LAMI
MON

The supply of extra Parts of the lamp Ballast unit is limited to the Parts that are Surrounded by the dotted lines on the circuit diagram for best Performance and safety.

ASSY, PWB, LAMP BALLAST

LAMP POWER SOURCE

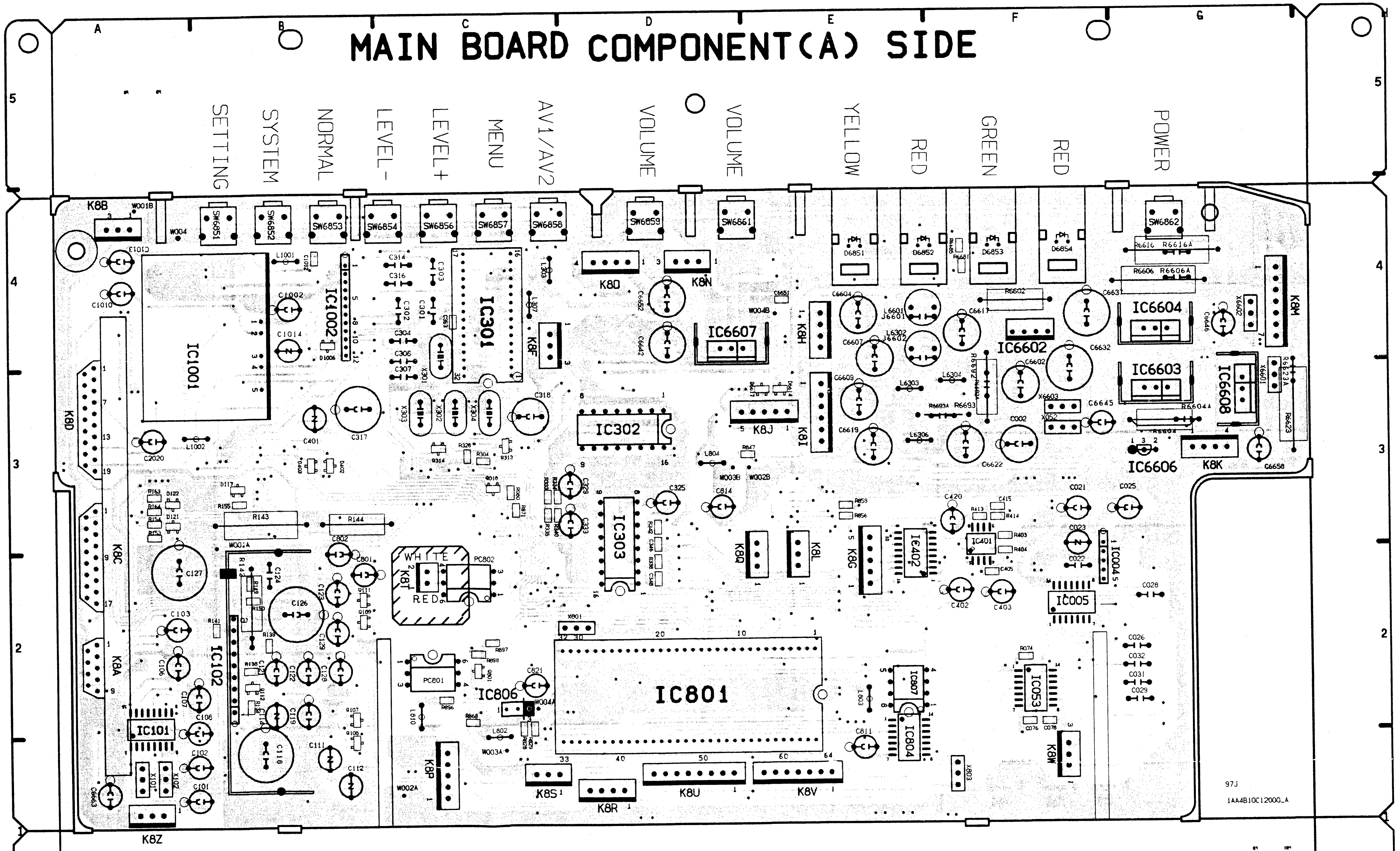

9
10
11
12
13
14
15
16
A
B
C
D
E
F
27
TO LAMP
A711
F60B00200
HIGH VOLTAGE OUTPUT
1
2
3
4
SSS701
K1V10
SSS702
K1V10
R714
5W
2. 7KQB
R715
5W
2. 7KQB
C721
400GJ
0. 47P
Q702
2SC4424M
R710
2SJ10C
Q704
2SC4424M
R712
2SJ10C
C709
630GK
0. 047D
FB705
Z20051---
C710
630GK
0. 047D
Q706
2SC3632L
R711
2SJ22C
Q705
2SC4424M
Q703
2SC4424M
R713
2SJ22C
R723
2SJ120KC
LAMP DRIVE
OUTPUT
Ⓑ
B+
B-
Ⓐ
A+
A-
1
12
16
18
15
13
14
17
11
21
20
19
C758
KZ0. 01
FA
R768
1SJ3. 9
C759
KZ0. 01
FA
R769
1SJ8. 2
C761
KZ0. 01
FA
R771
1SJ8. 2
C762
KZ0. 01
FA
R773
1SJ3. 9
C752
KZ0. 01
FA
D753
DZD15X
R754
1/10GJ
8. 2K
PC752
PS9634L
LAMP DRIVE CONTROL
PC753
PS9634L
LAMP DRIVE CONTROL
PC754
PS9634L
LAMP DRIVE CONTROL
PC756
PS9634L
LAMP DRIVE CONTROL


PC752
PS9634L
LAMP DRIVE CONTROL
PC753
PS9634L
LAMP DRIVE CONTROL
PC754
PS9634L
LAMP DRIVE CONTROL
PC756
PS9634L
LAMP DRIVE CONTROL
D753
DZD15X
R754
1/10GJ
8.2K
Q757
2SC2883Y
R786
1/10GJ
10K
Q756
2SA1203Y
R767
1GJ680
R772
1GJ680
R796
1/10GJ
2.7K
R785
1/10GJ1K
R793
1/10GJ
6.8K
R794
1/10GZ
0.0
Q758
2SC2812
L6
R797
1/10GJ
4.7K
C771
KZ0.1
FA
D754
DZD7.5Y
R792
1/10GJ
47K
C767
KZ0.1
FA
C781
KZ0.1
FA
C780
KZ0.22
FA
C768
KZ0.01FA
C-
C+
©
IC752
TC4047BP
LAMP DRIVE CONTROL
IC754
M5278L10
C763
KK0.015
BA
R774
1/10GJ
51K
C764
KK0.022
BA
Q753
2SC3134
H7
R778
1/10GJ
10K
Q751
2SA1252
D6
Q754
2SC2812
L6
R777
1/10GJ
47K
Q752
2SC3689
R781
1/10GJ
39K
R783
1/10GJ
2.2K
R784
1/10GJ
10K
R791
1/10GJ
2.2K
R779
1/10GJ
5.6K
R782
1/10GJ
8.2K
LAMP MONTOR
ASSY, PWB, AC-DRIVE P6GA
HB752 HYBRIDS IC
C741
25EM100T
C742
16EM220T
PC701
EL0201--
SW702
SW701
S10B01900N
(heat sink)
(Set to short at 80°C)
SW702
TR-M110-90M
(heat sink)
(Set to short at 90°C)
COLD
HOT(LIVE)
K7D
J10B0360N
TO MAIN
K8N
G
H
I
J
K
L
9
10
11
12
13
14
15
16

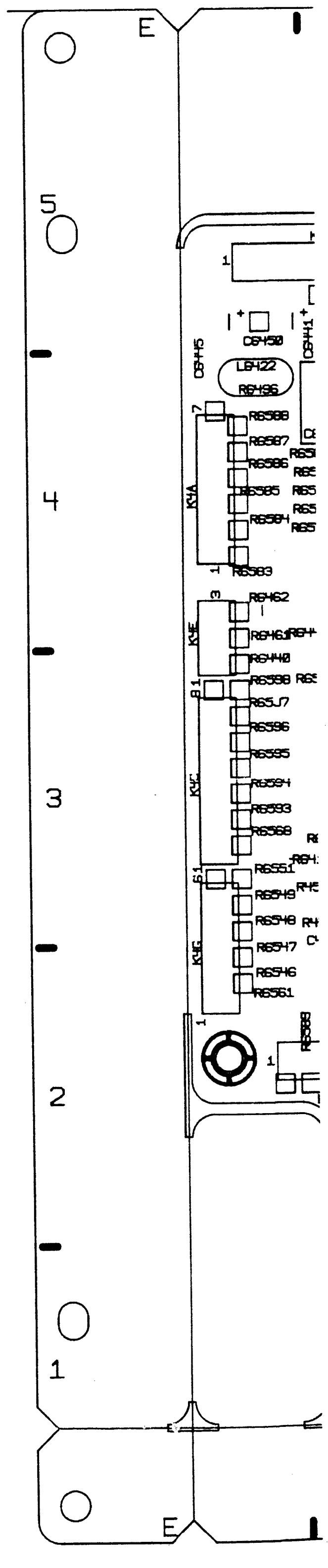
Revision 3

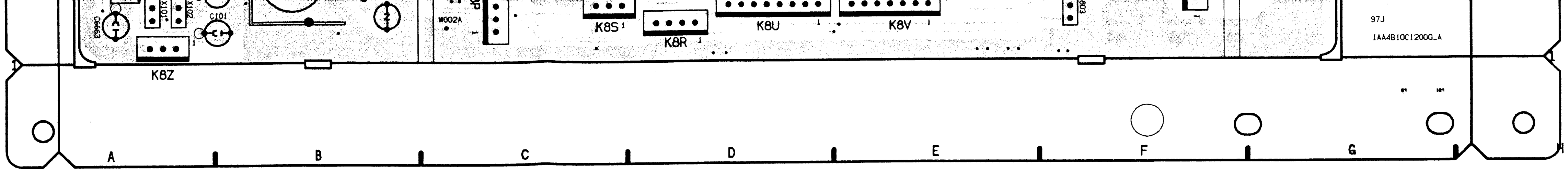
① MODEL PLV-20B/E
Service Ref. NO. PLV-20B-02 /20E-02

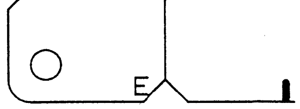
COMPONENT AND TESTPOINT LOCATIONS


MAIN BOARD COMPONENT(A) SIDE
A
B
C
D
E
F
G
5
4
3
2
1
SETTING
SYSTEM
NORMAL
LEVEL-
LEVEL+
MENU
AV1/AV2
VOLUME
VOLUME
YELLOW
RED
GREEN
RED
POWER
SW6851
SW6852
SW6853
SW6854
SW6856
SW6857
SW6858
SW6859
SW6861
SW6862
D6851
D6852
D6853
D6854
K8B
K8O
K8N
K8H
K8M
K8F
K8J
K8I
K8K
K8D
K8C
K8A
K8Z
K8Q
K8L
K8G
K8T
K8P
K8S
K8R
K8U
K8V
K8W
IC1001
IC1002
IC301
IC302
IC303
IC6607
IC6604
IC6602
IC6603
IC6608
IC6606
IC402
IC401
IC004
IC005
IC101
IC102
IC801
IC806
IC607
IC804
IC053
PC801
PC802
WHITE
RED
C127
C126
C116
C317
C318
C002
C6622
97J
1AA4B10C12000_A

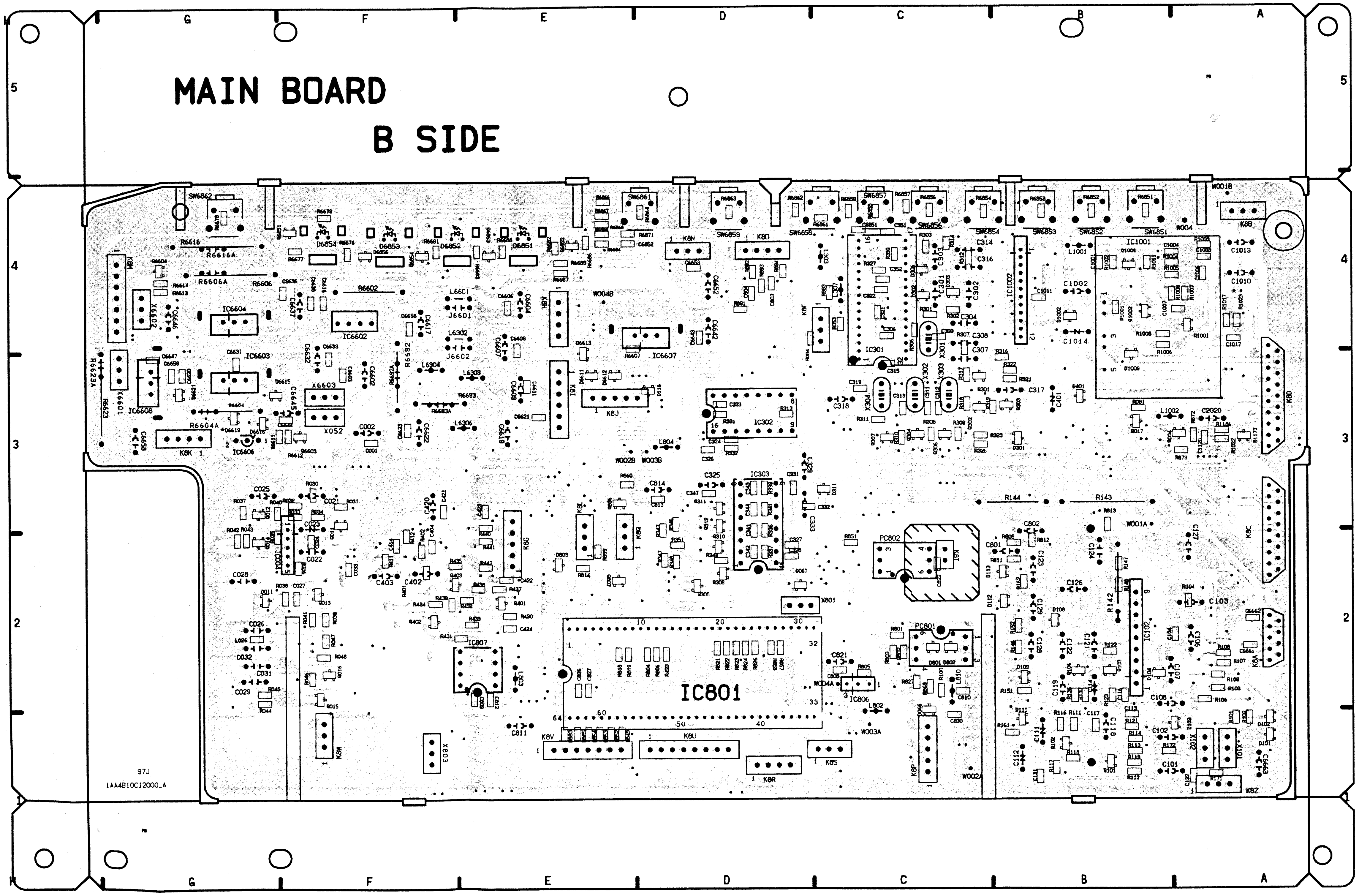
TM


E
5
4
3
2
1
E
C6450
L6422
R6496
R6588
R6587
R6586
R6585
R6584
R6583
R6462
R6461
R6440
R6598
R6597
R6596
R6595
R6594
R6593
R6568
R6551
R6549
R6548
R6547
R6546
R6561
K4A
K4E
K4C
K4G

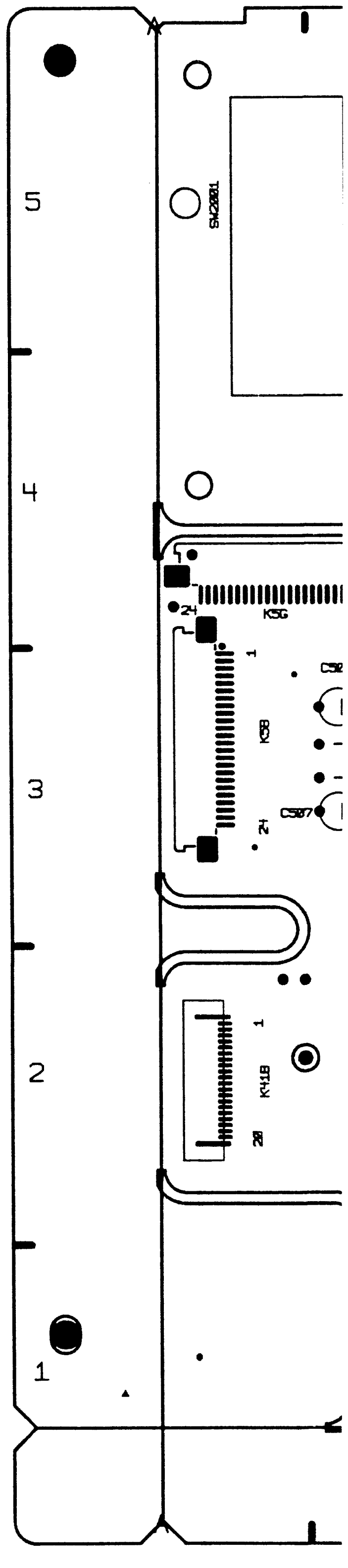

K8Z
K8S
K8R
K8U
K8V
97J
1AA4B10C12000_A
A
B
C
D
E
F
G



MAIN BOARD B SIDE

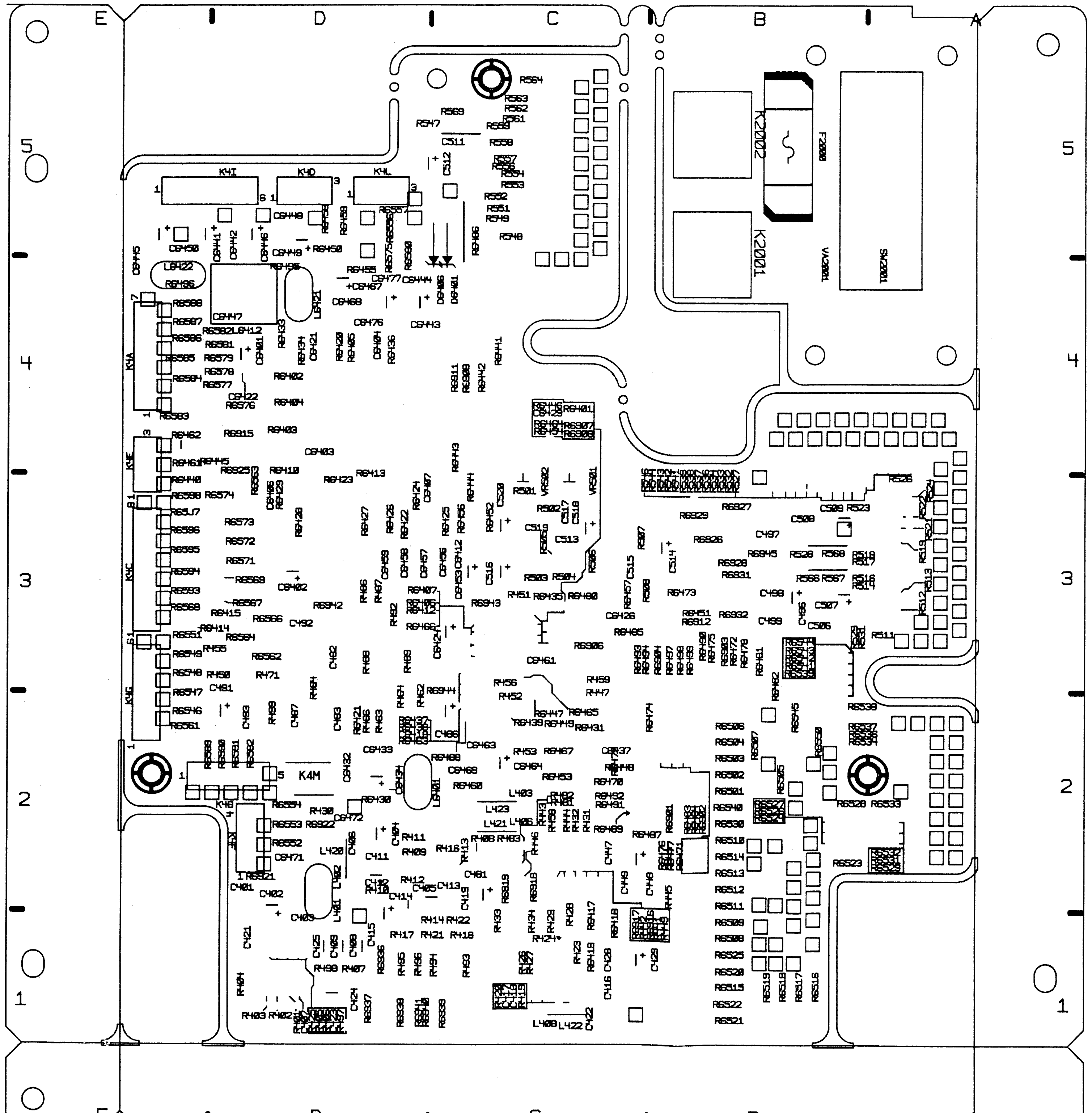

G
F
E
D
C
B
A
5
4
3
2
1
IC801
IC6604
IC6602
IC6603
IC6607
IC6608
IC6606
IC302
IC303
IC301
IC1002
IC1001
IC102
IC807
IC806
PC802
PC801
X6603
X052
X801
X803
K8N
K8O
K8J
K8K
K8G
K8V
K8U
K8R
K8S
K8P
K8W
K8Z
K8B
K8C
K8D
K8A
K8T
SW6862
SW6861
SW6859
SW6858
SW6857
SW6856
SW6854
SW6853
SW6852
SW6851
W001B
W004
W001A
W002A
W003A
W004A
W002B
W003B
W004B
97J
1AA4B10C12000_A

SUB POWER BOARD COMPONENT (A)SIDE

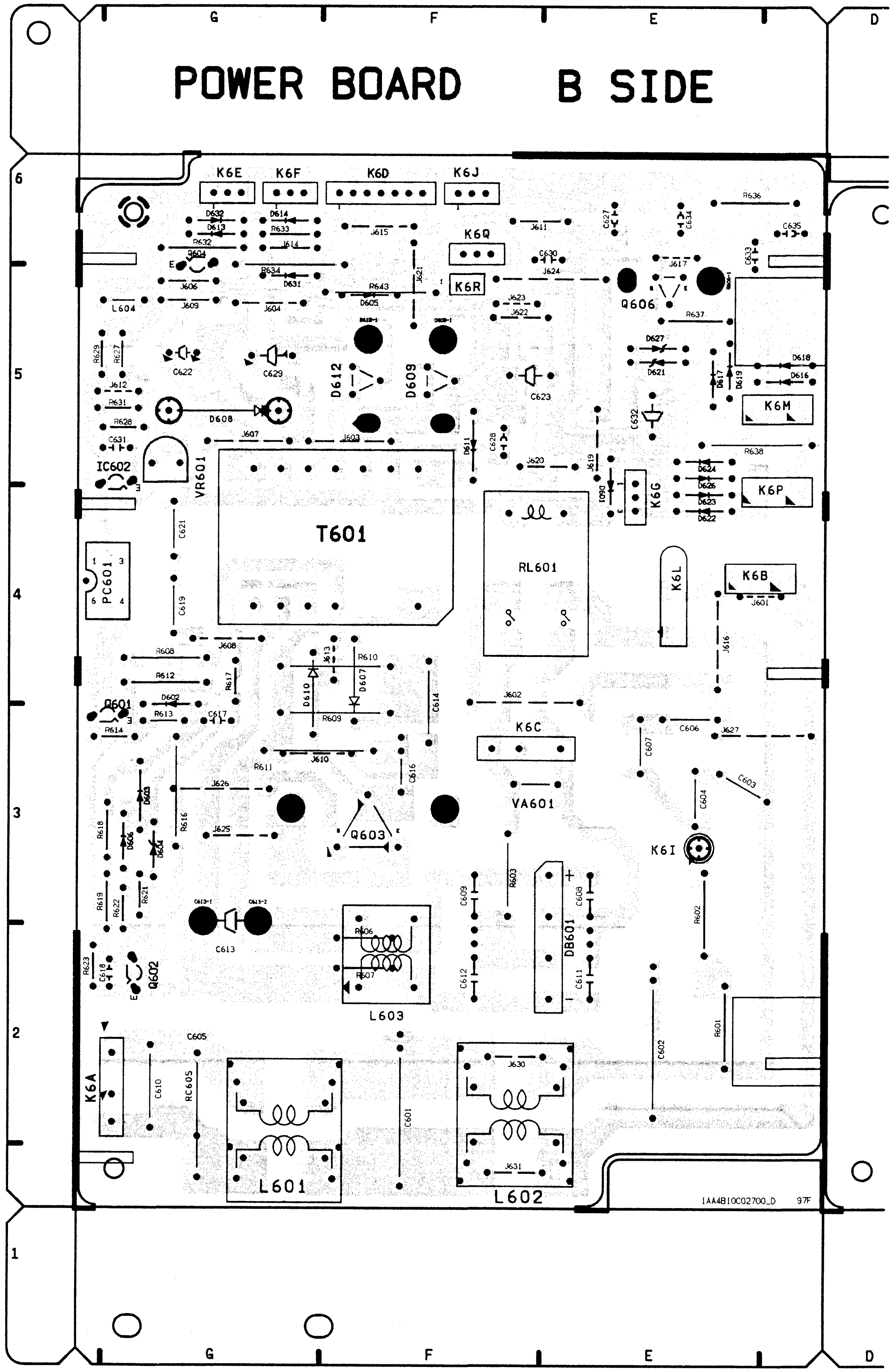

A
5
4
3
2
1
SW2801
K5G
K5B
K41B
C507

TM BOARD B SIDE

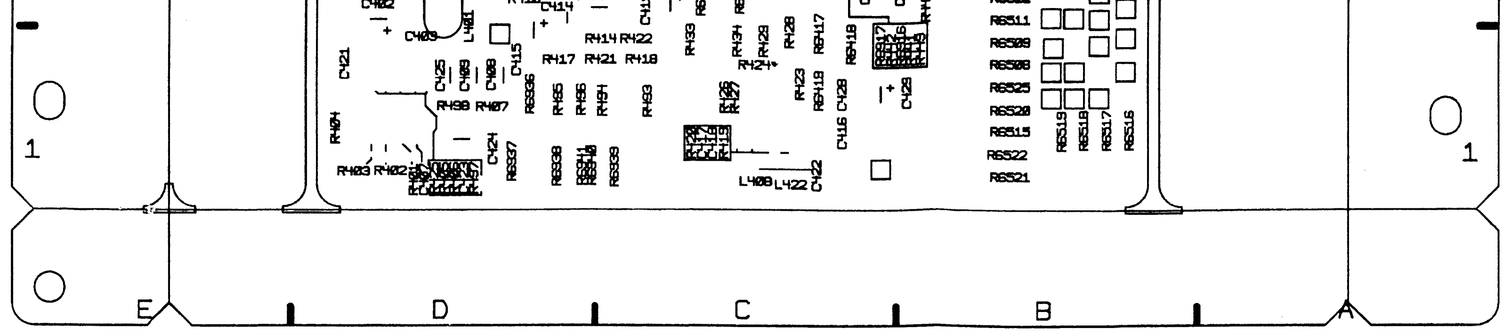
SUB POWER BOARD B SIDE

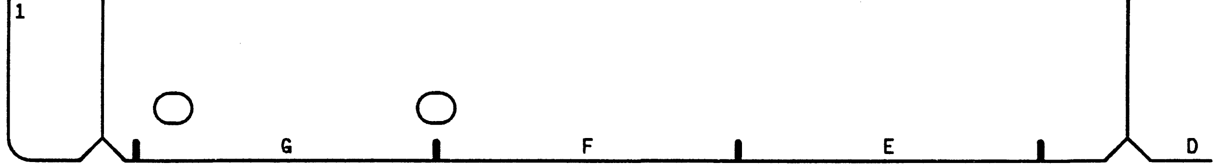

E
D
C
B
A
5
4
3
2
1
K4I
K4D
K4L
K4A
K4E
K4C
K4G
K4M
K2002
K2001
F2000
VA2001
SA2001
R564

POWER BOARD B SIDE


G
F
E
D
C
6
5
4
3
2
1
K6E
K6F
K6D
K6J
K6Q
K6R
Q606
D612
D609
D608
K6M
IC602
VR601
T601
RL601
K6G
K6P
PC601
K6L
K6B
Q601
K6C
VA601
Q603
K6I
DB601
L603
Q602
K6A
L601
L602
1AA4B10C02700_D 97F

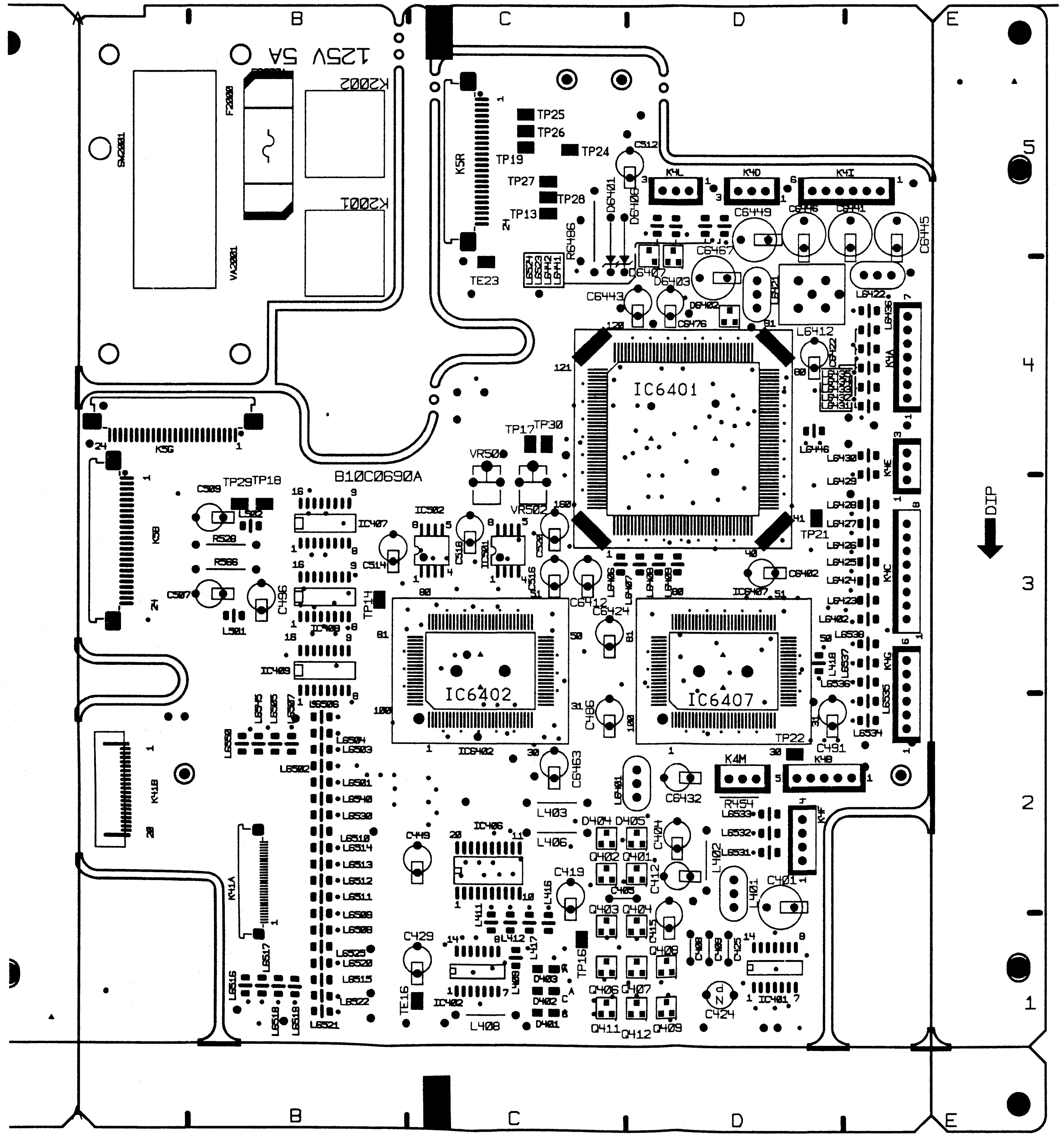
D
E
F
POWER BOARD


1
E
D
C
B
A
C421
R417 R421 R418
R414 R422
R498 R407
R6511
R6509
R6508
R6525
R6520
R6515
R6522
R6521
L408 L422
C416 C420

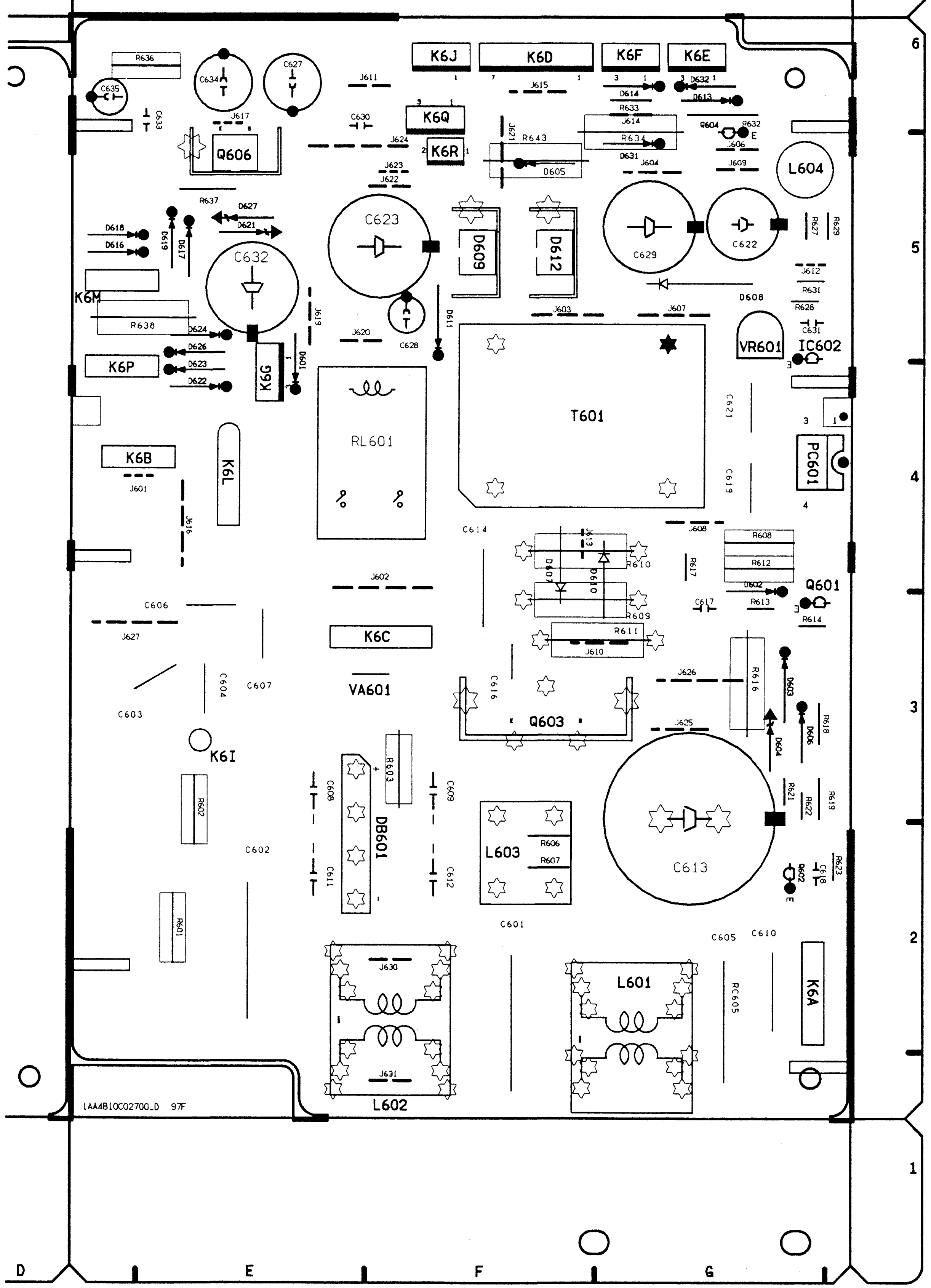


ER

TM BOARD COMPONENT(A) SIDE

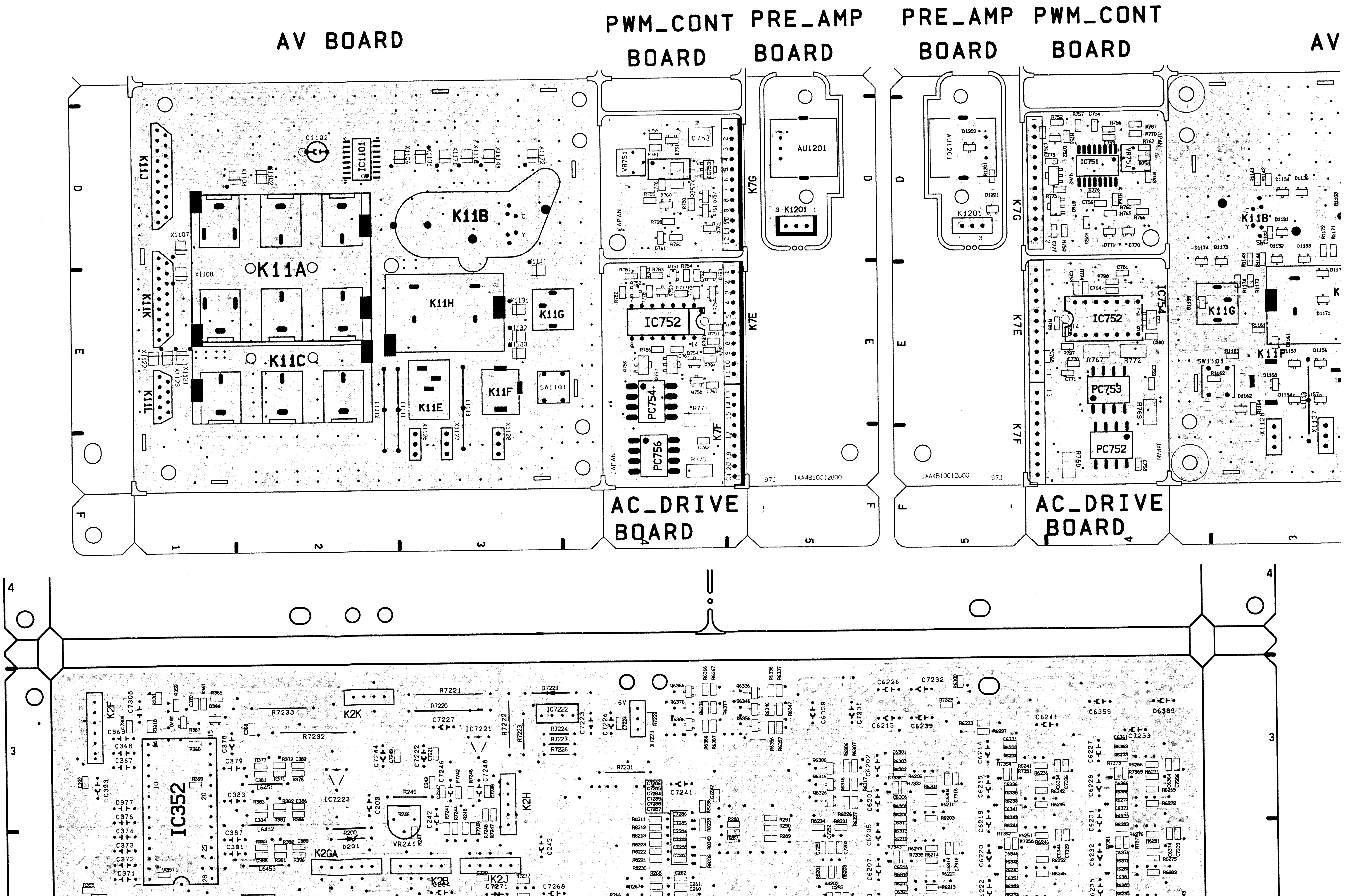

A
B
C
D
E
125V 5A
K2002
K2001
F2000
SW2001
VA2001
K5R
TP25
TP26
TP19
TP24
TP27
TP28
TP13
TE23
K4L
K4O
K4I
C6449
C6446
C6444
C6445
C6447
C6443
C6476
D6401
D6402
D6403
IC6401
L6412
K5G
B10C0690A
TP29
TP18
TP17
TP30
VR501
VR502
IC502
IC501
IC407
IC408
IC409
TP14
K4A
K4E
K4C
K4G
TP21
TP22
IC6402
IC6407
K5B
K41B
K41A
K4M
K4B
K4F
C6463
C6432
L403
L406
L402
L401
C401
IC406
Q402
Q401
Q403
Q404
Q406
Q407
Q408
Q411
Q412
Q409
C429
C419
C424
L408
IC401
IC402
TP16
TE16
5
4
3
2
1
DIP

POWER BOARD
COMPONENT(A) SIDE

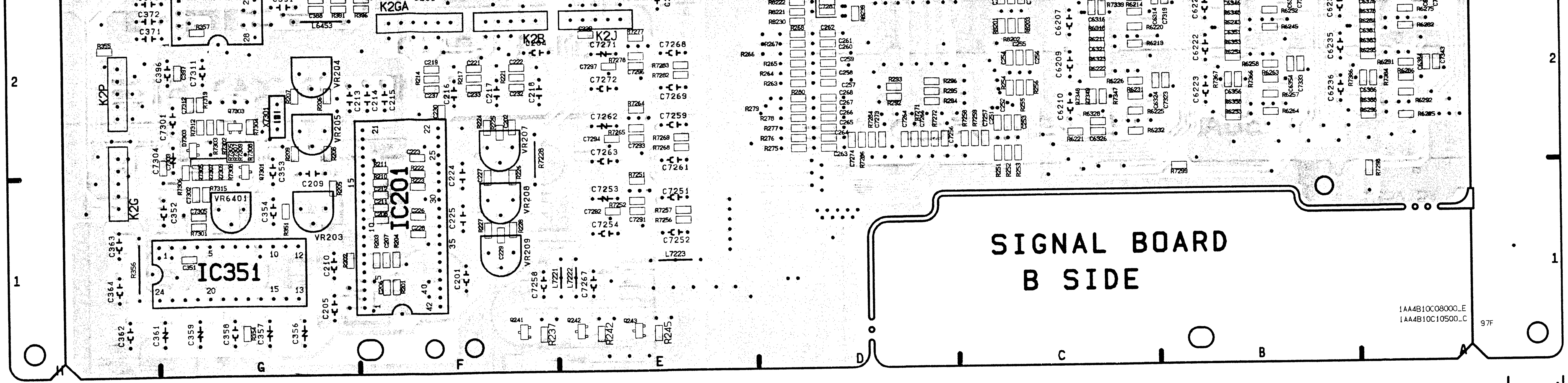

D
E
F
G
K6J
K6D
K6F
K6E
K6Q
K6R
Q606
C634
C627
C635
L604
C623
C632
D609
D612
C629
C622
K6M
R638
K6P
K6G
VR601
IC602
RL601
T601
K6B
K6L
PC601
Q601
K6C
VA601
Q603
K6I
DB601
L603
C613
L601
L602
K6A
1AA4B10C02700_D 97F
6
5
4
3
2
1

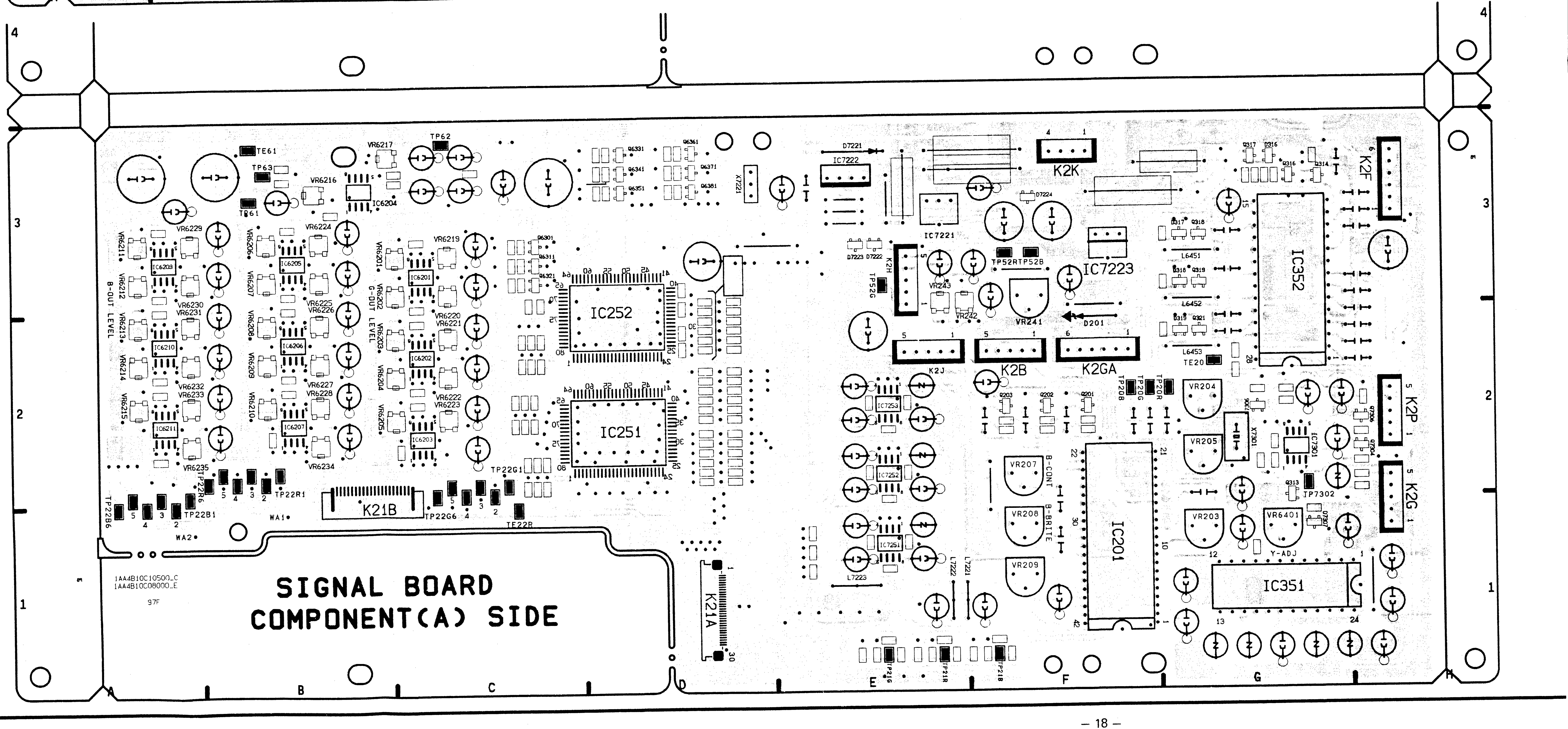
COMPONENT(A) SIDE

B SIDE



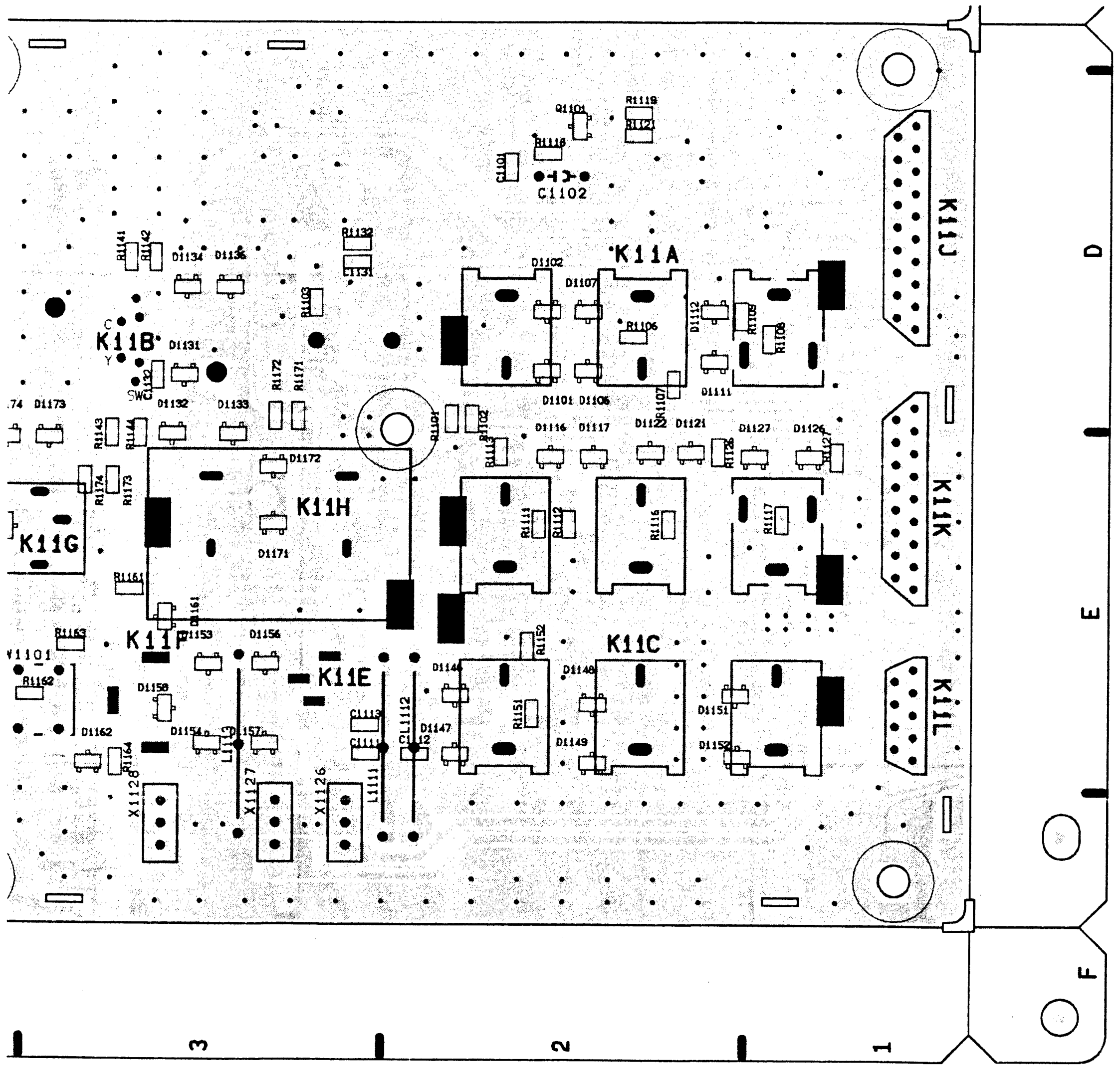
AV BOARD
PWM_CONT BOARD
PRE_AMP BOARD
PRE_AMP BOARD
PWM_CONT BOARD
AV
AC_DRIVE BOARD
AC_DRIVE BOARD
K11J
K11A
K11B
K11C
K11H
K11G
K11E
K11F
K11K
K11L
SW1101
IC1101
C1102
K7G
K7E
K7F
IC752
PC754
PC756
VR751
C757
AU1201
K1201
IC751
IC754
PC753
PC752
K2F
IC352
K2K
K2H
K2GA
K2B
K2J
IC7222
IC7221
IC7223
VR241
D201
R7221
R7220
R7233
R7232
D7221
1AA4B10C12800
1AA4B10C12600
97J
JAPAN
D
E
F
1
2
3
4
5


SIGNAL BOARD
B SIDE
1AA4B10C08000_E
1AA4B10C10500_C
97F
IC351
IC201
K2GA
K2B
K2J
K2P
K2G
VR6401
VR203
VR204
VR205
VR207
VR208
VR209
A
B
C
D
E
F
G
H
1
2

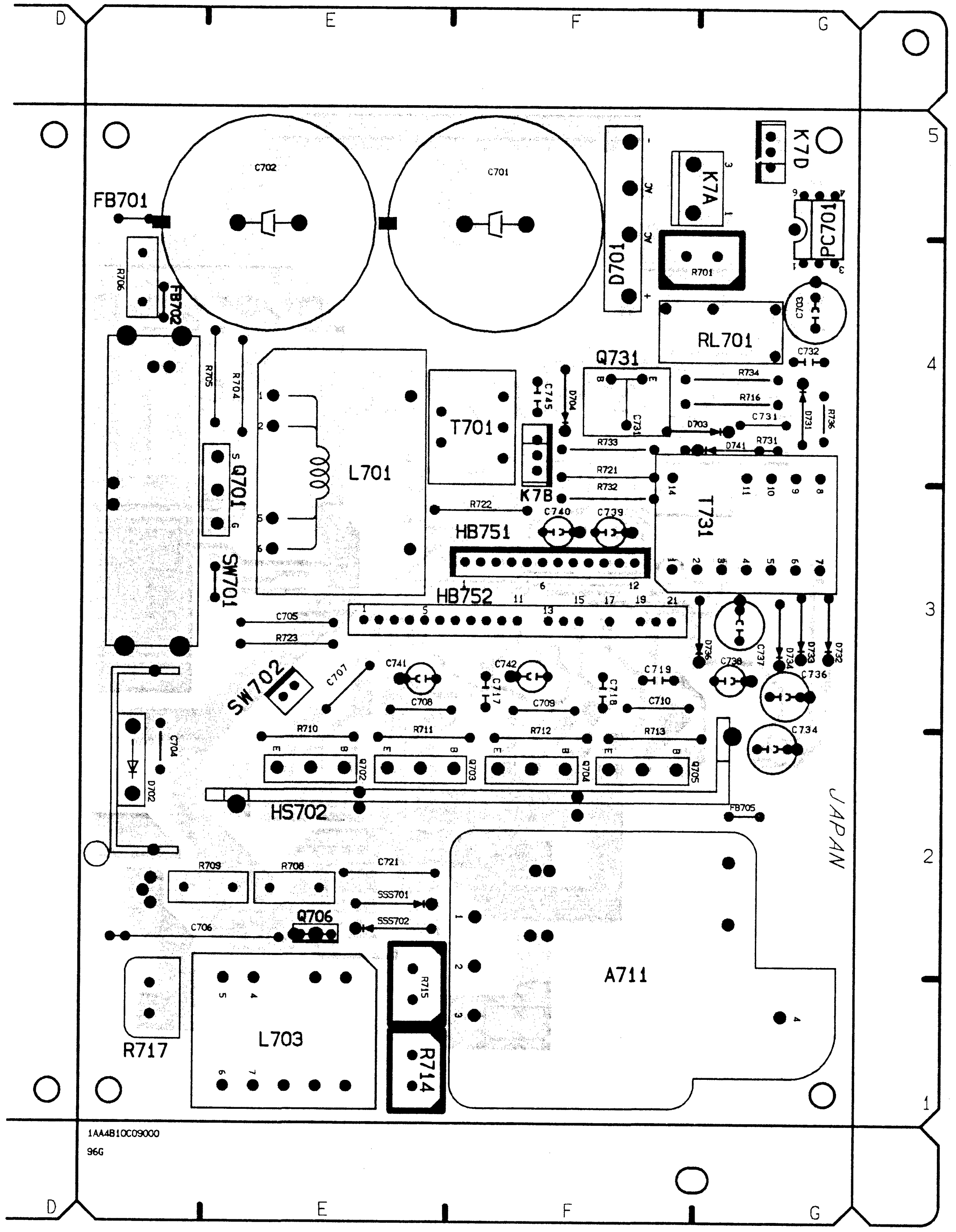

SIGNAL BOARD
COMPONENT(A) SIDE
1AA4B10C10500_C
1AA4B10C08000_E
97F
IC252
IC251
IC352
IC351
IC201
IC7221
IC7222
IC7223
K21B
K21A
K2K
K2F
K2H
K2J
K2B
K2GA
K2P
K2G
B-OUT LEVEL
G-OUT LEVEL
B-CONT
B-BRITE
Y-ADJ
VR241
VR242
VR243
VR203
VR204
VR205
VR207
VR208
VR209
VR6401
TE61
TP61
TP62
TP63
TE20
TE22R
TP7302
A
B
C
D
E
F
G
H
1
2
3
4

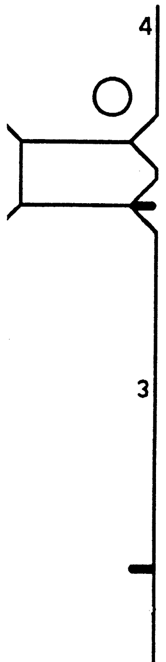
SIDE

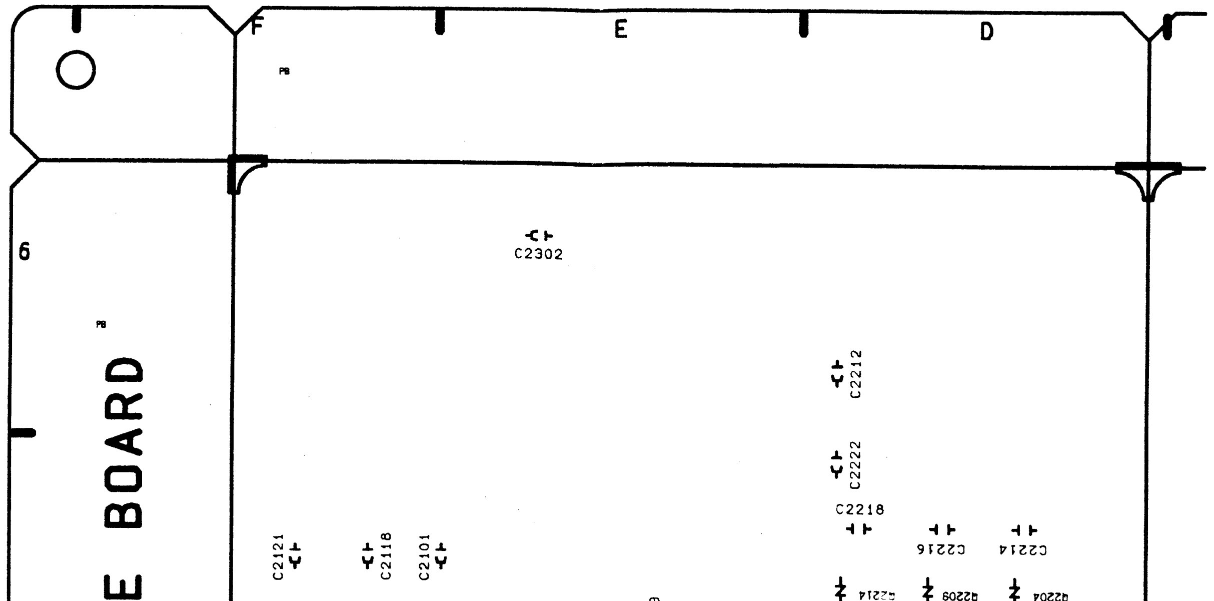
AV BOARD

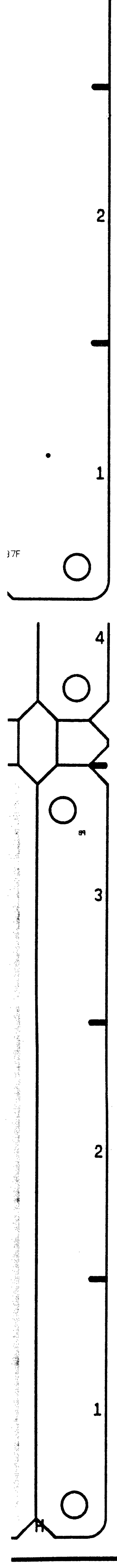

K11A
K11B
K11C
K11E
K11F
K11G
K11H
K11J
K11K
K11L
C1102
X1126
X1127
X1128
D
E
F
1
2
3

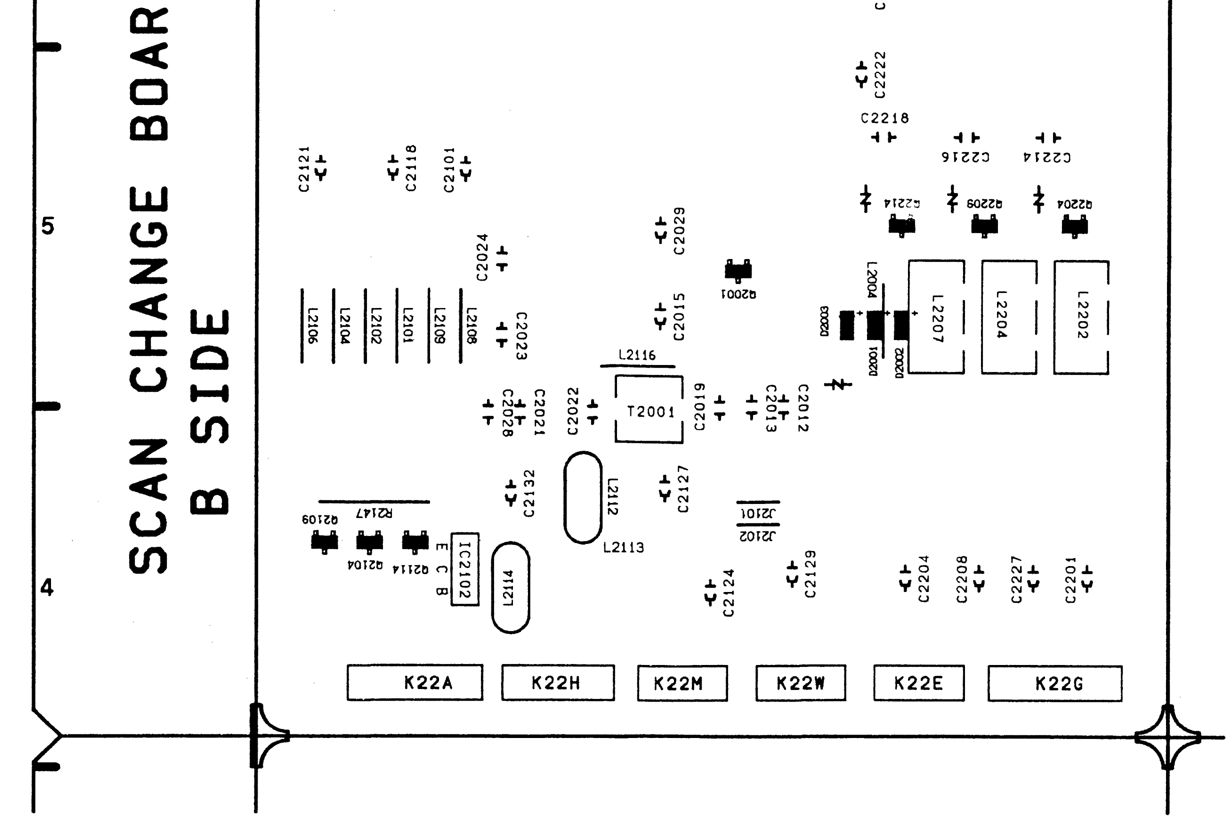
LAMP BALLAST BOARD
COMPONENT(A) SIDE


D
E
F
G
5
4
3
2
1
FB701
FB702
C702
C701
D701
K7A
K7D
PC701
R701
RL701
C703
Q731
T701
L701
Q701
K7B
HB751
HB752
T731
SW701
SW702
HS702
A711
Q706
R717
L703
R715
R714
R709
R708
R710
R711
R712
R713
C705
R723
C741
C742
C719
C736
C734
JAPAN
1AA4B10C09000
96G



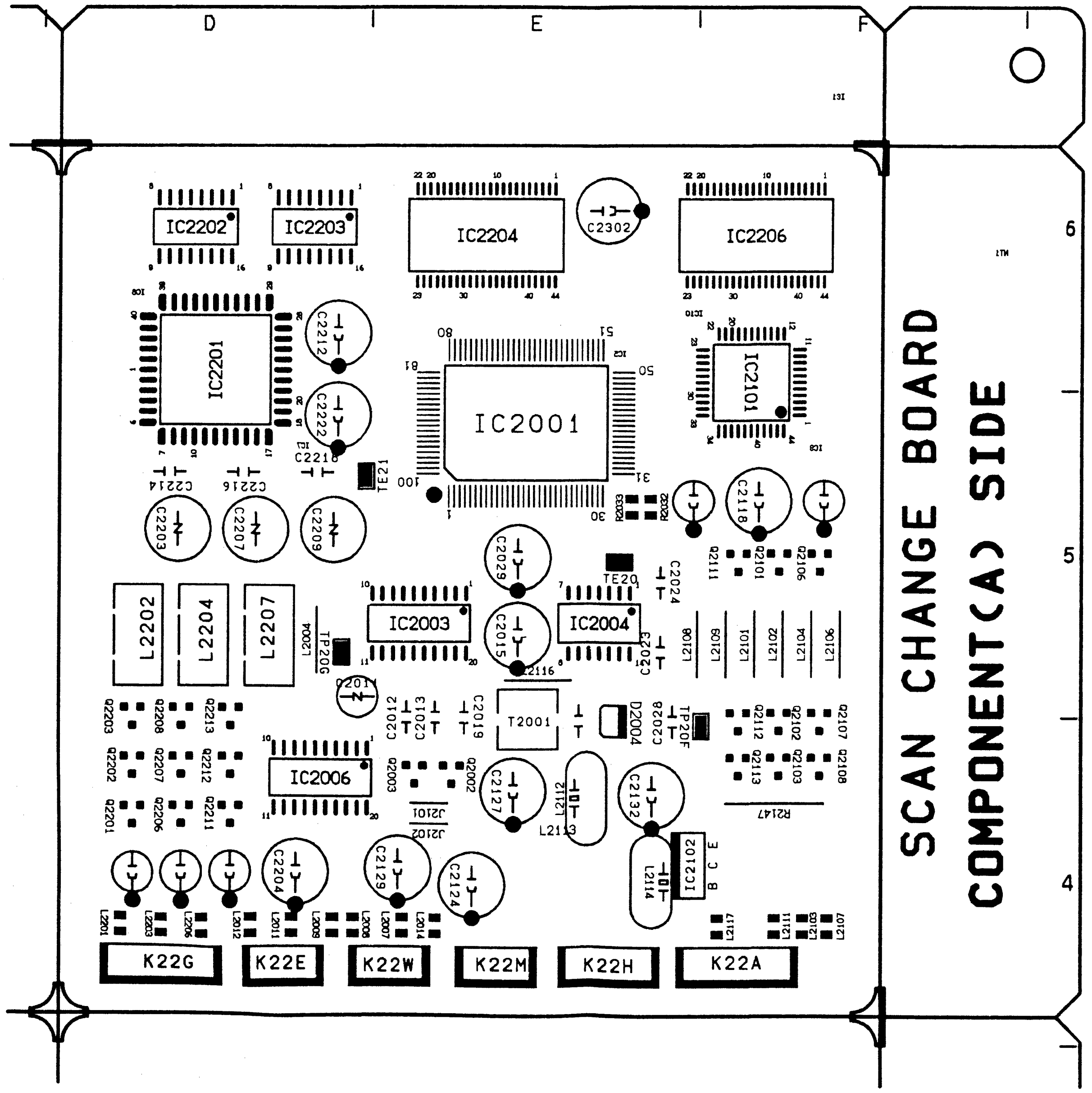

F
E
D
6
3
E BOARD
C2302
C2212
C2222
C2218
C2216
C2214
C2121
C2118
C2101





SCAN CHANGE BOARD B SIDE

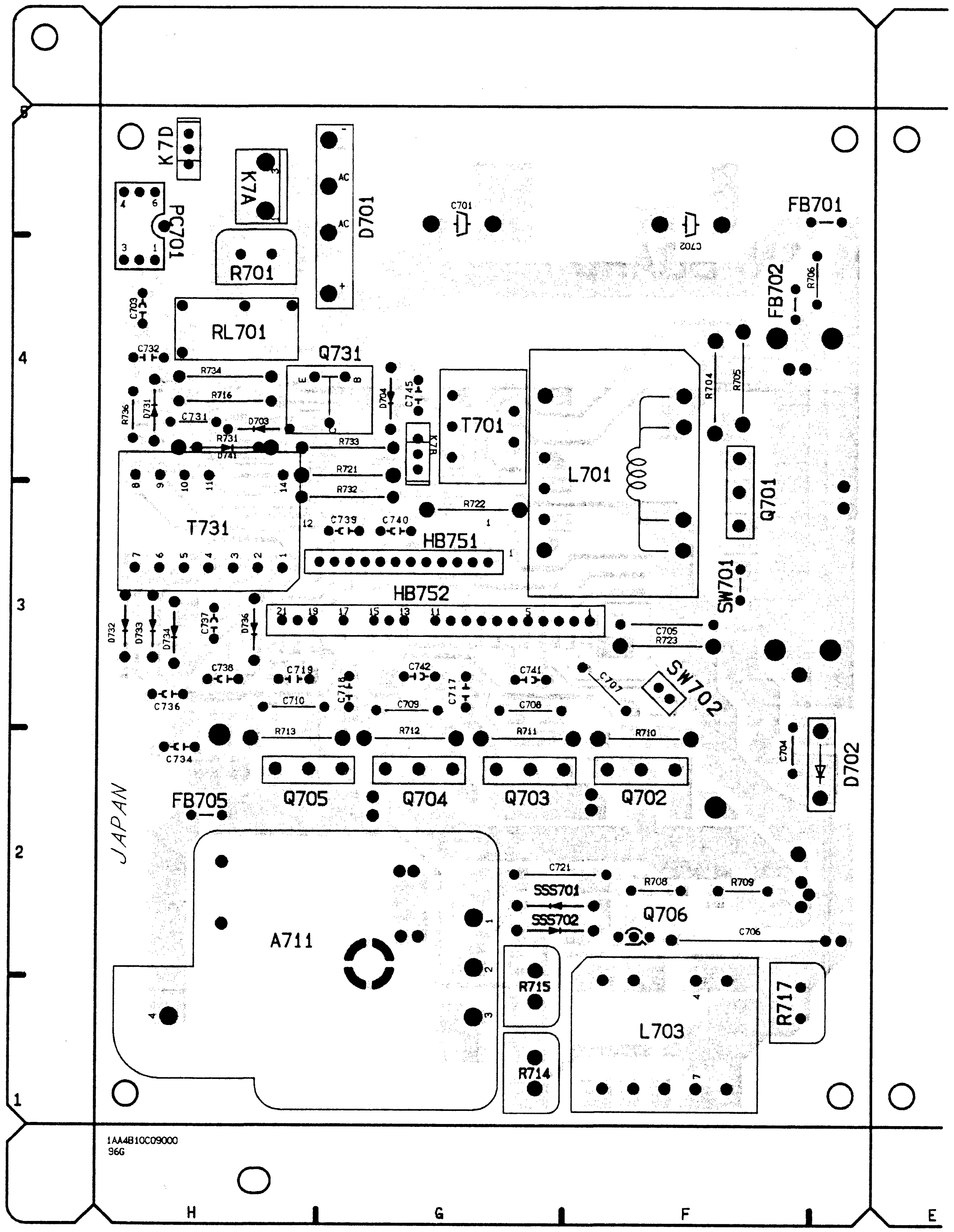
K22A
K22H
K22M
K22W
K22E
K22G
T2001
IC2102
L2112
L2113
L2114
L2116
L2207
L2204
L2202
R2147



SCAN CHANGE BOARD COMPONENT(A) SIDE

D
E
F
IC2202
IC2203
IC2204
IC2206
IC2201
IC2001
IC2101
IC2003
IC2004
IC2006
IC2102
T2001
L2202
L2204
L2207
C2302
C2212
C2222
C2218
C2203
C2207
C2209
C2118
C2029
C2015
C2127
C2132
C2204
C2129
C2124
K22G
K22E
K22W
K22M
K22H
K22A

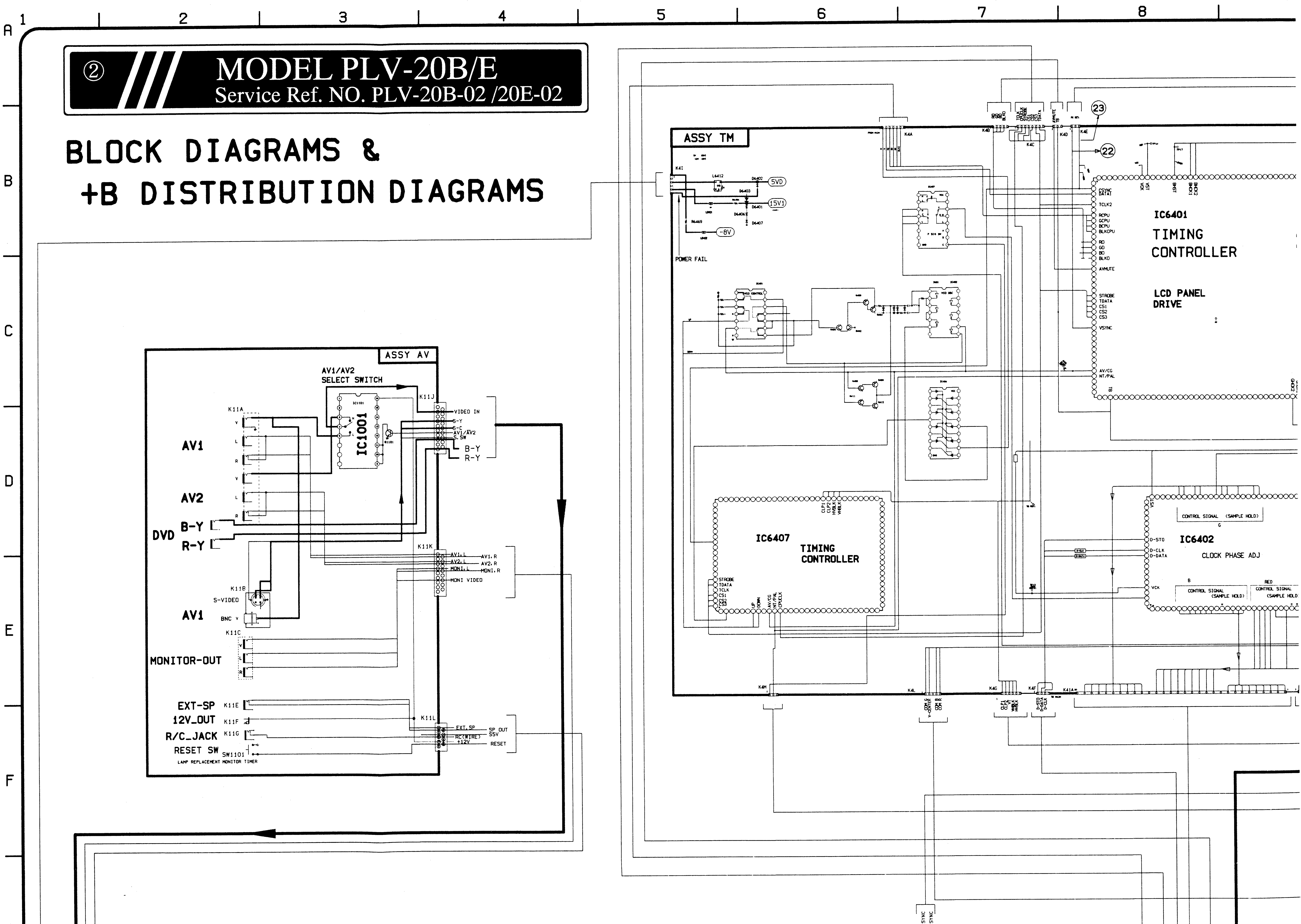
LAMP BALLAST BOARD
B SIDE

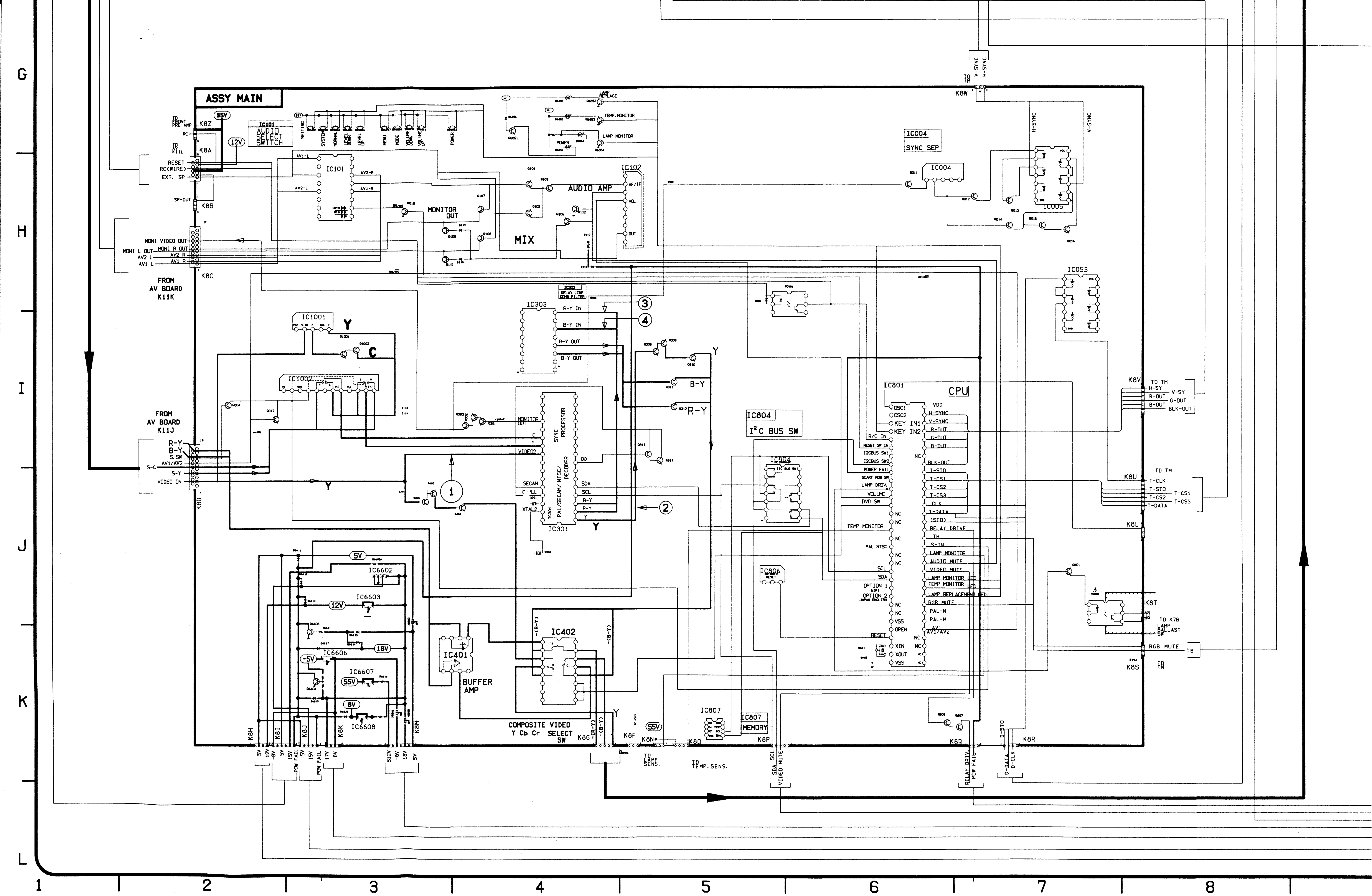


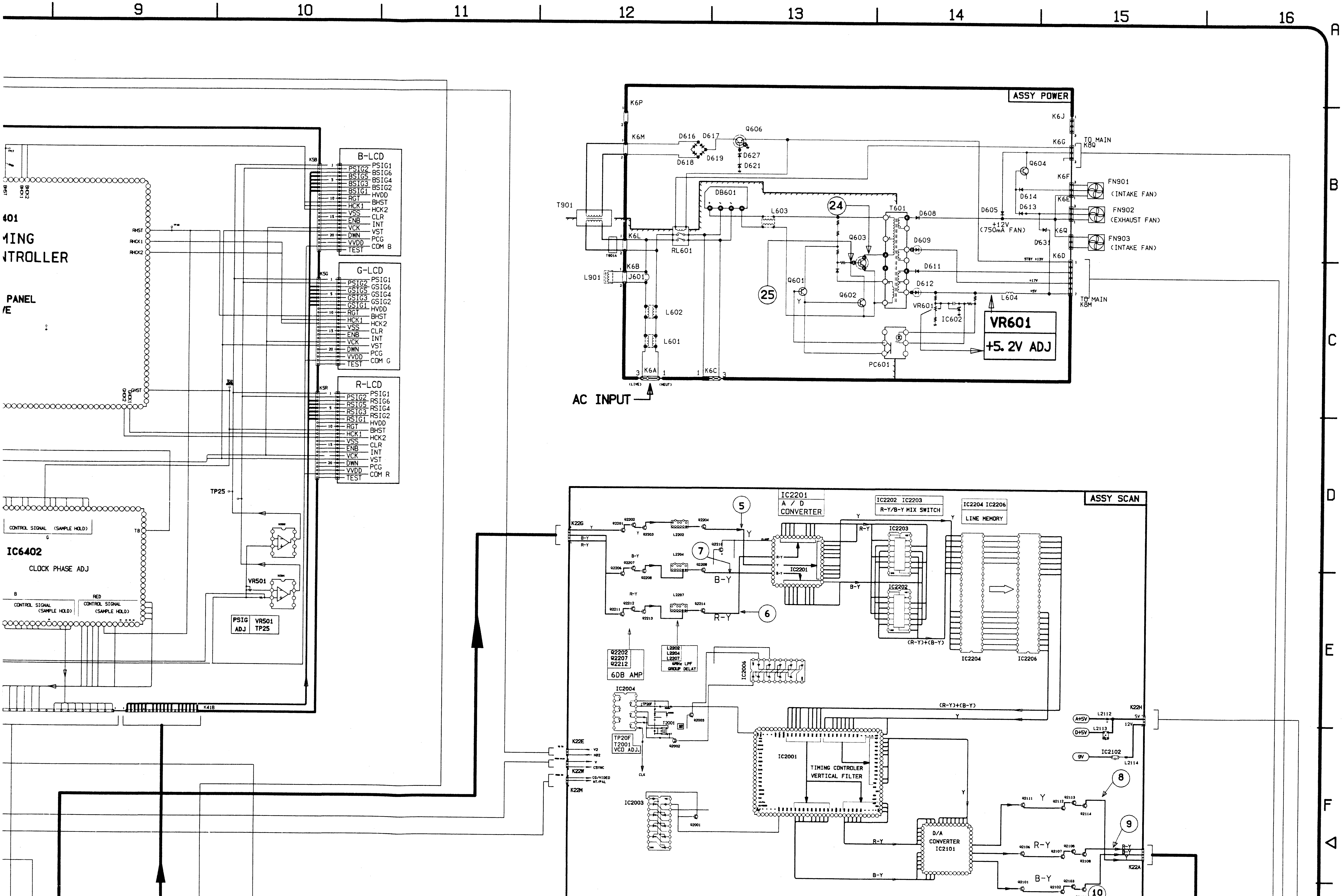
K7D
K7A
PC701
R701
D701
C701
C702
FB701
FB702
RL701
Q731
T701
K7B
L701
Q701
T731
HB751
HB752
SW701
SW702
D702
FB705
Q705
Q704
Q703
Q702
JAPAN
A711
SSS701
SSS702
Q706
R715
R714
L703
R717
1AA4B10C09000
96G
H
G
F
E

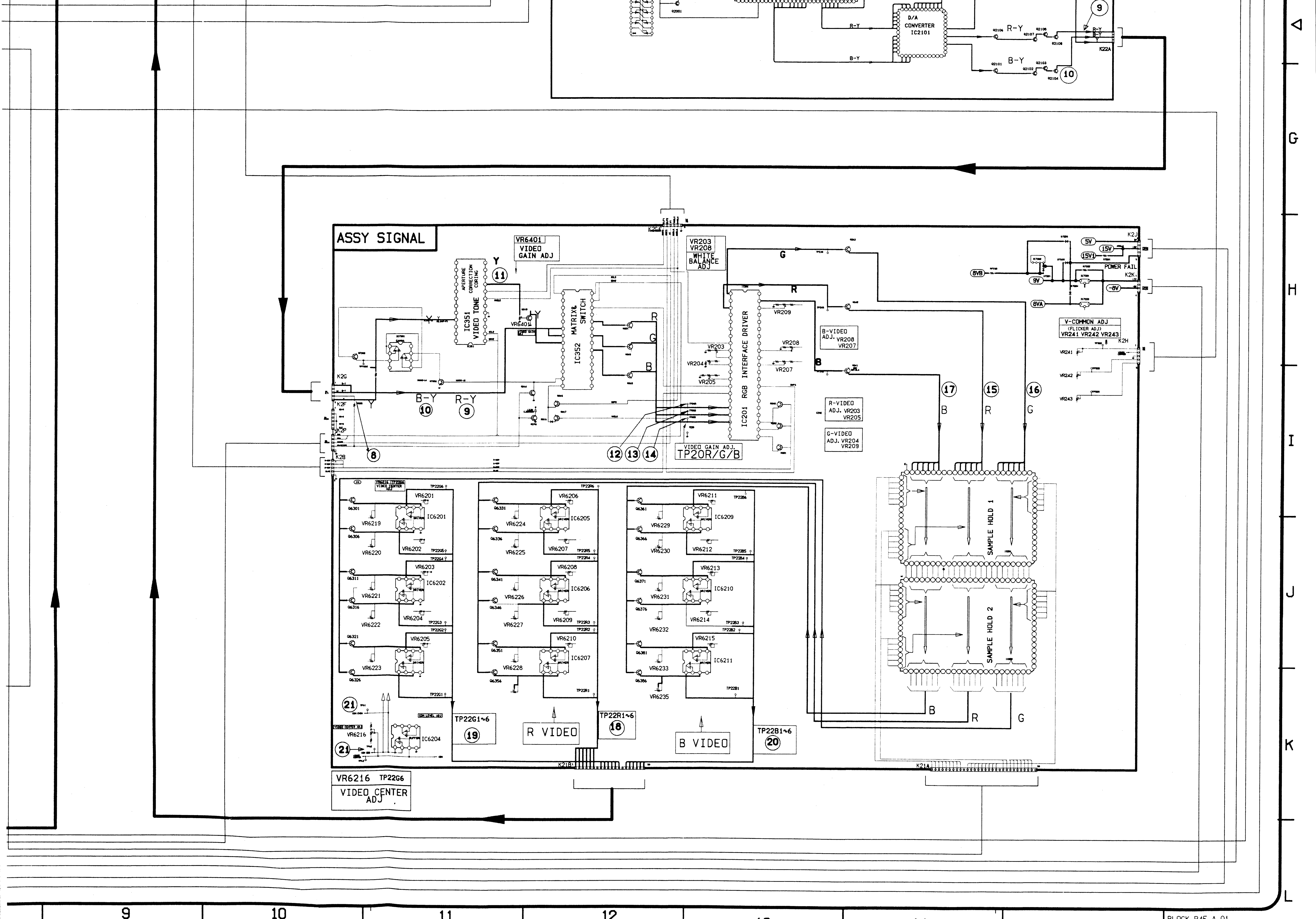
② MODEL PLV-20B/E
Service Ref. NO. PLV-20B-02 /20E-02

BLOCK DIAGRAMS &
+B DISTRIBUTION DIAGRAMS


1
2
3
4
5
6
7
8
A
B
C
D
E
F
ASSY AV
AV1/AV2
SELECT SWITCH
IC1001
K11A
K11J
AV1
AV2
DVD
B-Y
R-Y
VIDEO IN
S-Y
S-C
AV1/AV2
S.SW
B-Y
R-Y
K11K
AV1.L
AV2.L
MONI.L
MONI VIDEO
AV1.R
AV2.R
MONI.R
K11B
S-VIDEO
BNC
AV1
K11C
MONITOR-OUT
EXT-SP
12V_OUT
R/C_JACK
RESET SW
K11E
K11F
K11G
SW1101
LAMP REPLACEMENT MONITOR TIMER
K11L
EXT.SP
RC(WIRE)
+12V
SP OUT
S5V
RESET
ASSY TM
K4I
K4A
K4B
K4C
K4D
K4E
23
22
L6412
D6402
D6403
D6401
D6407
5VD
15V1
-8V
POWER FAIL
IC6401
TIMING
CONTROLLER
LCD PANEL
DRIVE
CSYNC
DATA1
TCLK2
RCPU
GCPU
BCPU
BLKCPU
RO
GO
BO
BLKO
AVMUTE
STROBE
TDATA
CS1
CS2
CS3
VSYNC
AV/CG
NT/PAL
IC6407
TIMING
CONTROLLER
STROBE
TDATA
TCLK
CS1
CS2
CS3
IC6402
CLOCK PHASE ADJ
CONTROL SIGNAL (SAMPLE HOLD)
CONTROL SIGNAL (SAMPLE HOLD)
CONTROL SIGNAL (SAMPLE HOLD)
D-STO
D-CLK
D-DATA
VCK
K4M
K4L
K4G
K4F
K41A
SYNC
SYNC

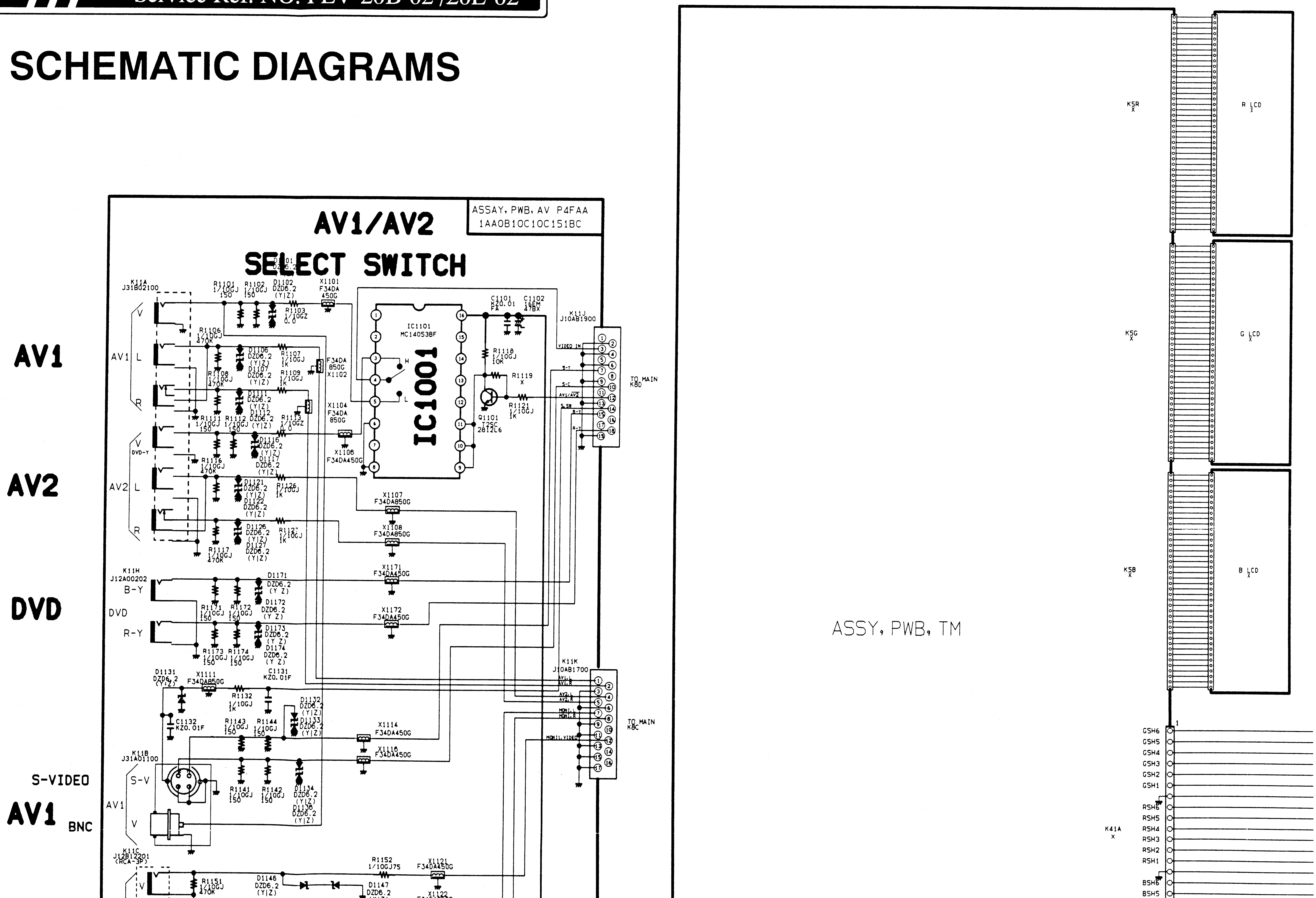

ASSY MAIN
IC101 AUDIO SELECT SWITCH
IC101
IC102
AUDIO AMP
MONITOR OUT
MIX
IC004 SYNC SEP
IC004
IC005
IC053
IC1001
IC1002
Y
C
IC303
IC303 DELAY LINE COMB FILTER
R-Y IN
B-Y IN
R-Y OUT
B-Y OUT
③
④
B-Y
R-Y
Y
IC301
SYNC PROCESSOR
PAL/SECAM/NTSC/ DECODER
MONITOR OUT
VIDEO2
SECAM
SDA
SCL
B-Y
R-Y
XTAL2
DD
①
②
IC801
CPU
IC804
I²C BUS SW
IC806
IC807
IC807 MEMORY
OSC1
OSC2
KEY IN1
KEY IN2
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STD)
RELAY DRIVE
TB
S-IN
LAMP MONITOR
AUDIO MUTE
VIDEO MUTE
LAMP MONITOR LED
TEMP MONITOR LED
LAMP REPLACEMENT LED
RGB MUTE
PAL-N
PAL-M
AV1
AV1/AV2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
DVD SW
TEMP MONITOR
PAL NTSC
SCL
SDA
OPTION 1
OPTION 2
RESET
XIN
XOUT
VSS
OPEN
NC
IC402
-(R-Y)
-(B-Y)
IC401
BUFFER AMP
COMPOSITE VIDEO Y Cb Cr SELECT SW
IC6602
IC6603
IC6606
IC6607
IC6608
5V
12V
18V
-5V
S5V
8V
35V
K8A
K8B
K8C
K8D
K8Z
K8H
K8I
K8J
K8K
K8M
K8G
K8F
K8N
K8O
K8P
K8Q
K8R
K8S
K8T
K8L
K8U
K8V
K8W
TO FRONT PRE AMP
RC
TO AV K11L
RESET
RC(WIRE)
EXT. SP
SP-OUT
MONI VIDEO OUT
MONI L OUT
MONI R OUT
AV2 L
AV2 R
AV1 L
AV1 R
FROM AV BOARD K11K
FROM AV BOARD K11J
R-Y
B-Y
S. SW
AV1/AV2
S-C
S-Y
VIDEO IN
SETTING
SYSTEM
NORMAL
LEVEL DOWN
LEVEL UP
MENU
MODE
VOLUME DOWN
VOLUME UP
POWER
LAMP REPLACE
TEMP. MONITOR
LAMP MONITOR
POWER
TO TM
V-SYNC
H-SYNC
H-SY
V-SY
G-OUT
BLK-OUT
T-CLK
T-STD
T-DATA
TO K7B LAMP BALLAST SW
RGB MUTE
TB
TO TM
5V
12V
-8V
15V
POW FAIL
17V
S12V
18V
TO LAMP SENS.
TO TEMP. SENS.
SDA
SCL
VIDEO MUTE
RELAY DRIV.
POW FAIL
D-STO
D-DATA
D-CLK
G
H
I
J
K
L
1
2
3
4
5
6
7
8
△

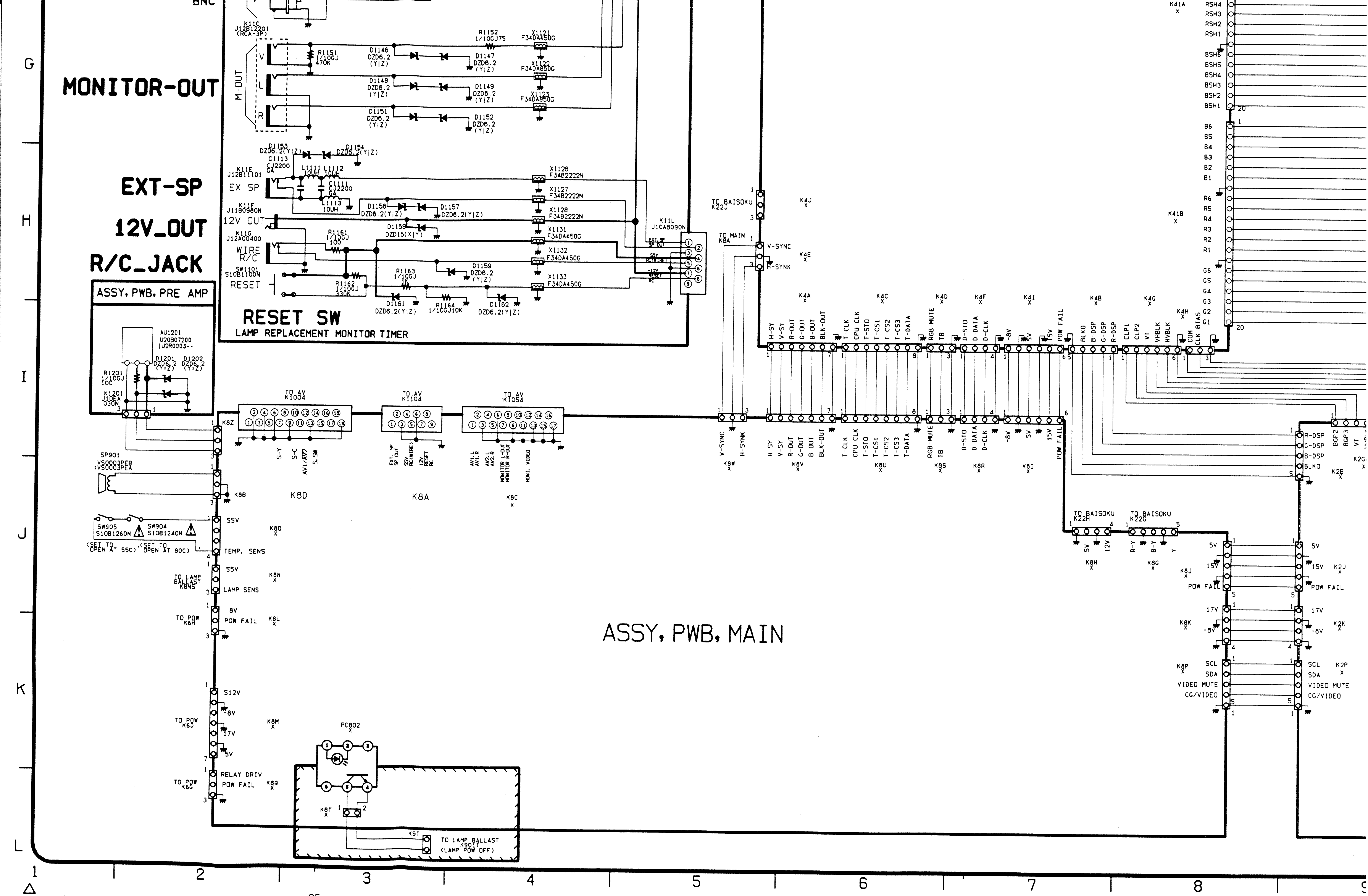

9
10
11
12
13
14
15
16
A
B
C
D
E
F
401
MING
NTROLLER
PANEL
/E
RHST
RHCK1
RHCK2
GHST
K5B
B-LCD
PSIG2
BSIG5
BSIG3
BSIG1
RGT
HCK1
VSS
ENB
VCK
DWN
VVDD
TEST
PSIG1
BSIG6
BSIG4
BSIG2
HVDD
BHST
HCK2
CLR
INT
VST
PCG
COM B
K5G
G-LCD
GSIG2
GSIG5
GSIG3
GSIG1
GSIG6
GSIG4
COM G
K5R
R-LCD
RSIG2
RSIG5
RSIG3
RSIG1
RSIG6
RSIG4
COM R
TP25
VR501
PSIG ADJ
VR501 TP25
CONTROL SIGNAL (SAMPLE HOLD)
IC6402
CLOCK PHASE ADJ
B
CONTROL SIGNAL (SAMPLE HOLD)
RED
CONTROL SIGNAL (SAMPLE HOLD)
TB
K41B
ASSY POWER
K6P
K6M
D616
D617
Q606
D618
D619
D627
D621
K6J
K6G
TO MAIN K8Q
Q604
K6F
FN901 (INTAKE FAN)
D614
D613
K6E
FN902 (EXHAUST FAN)
D605
+12V (750mA FAN)
K6Q
FN903 (INTAKE FAN)
D631
K6D
T901
DB601
L603
24
T601
D608
D609
Q603
K6L
RL601
T901A
K6B
J601
L901
D611
Q601
D612
25
Q602
VR601
L604
IC602
TO MAIN K8M
L602
L601
PC601
VR601
+5.2V ADJ
K6A
K6C
(LIVE)
(NEUT)
AC INPUT
ASSY SCAN
K22G
Y
B-Y
R-Y
5
7
6
IC2201
A / D
CONVERTER
IC2202 IC2203
R-Y/B-Y MIX SWITCH
IC2204 IC2206
LINE MEMORY
IC2203
IC2202
IC2201
(R-Y)+(B-Y)
IC2204
IC2206
Q2202 Q2207 Q2212
6DB AMP
L2202 L2204 L2207
6MHz LPF
GROUP DELAY
IC2006
IC2004
TP20F
T2001
VCD ADJ.
CLK
K22E
K22W
K22M
IC2003
IC2001
TIMING CONTROLER
VERTICAL FILTER
D/A CONVERTER
IC2101
(R-Y)+(B-Y)
K22H
A+5V
D+5V
9V
L2112
L2113
IC2102
L2114
5V
12V
8
9
10
K22A

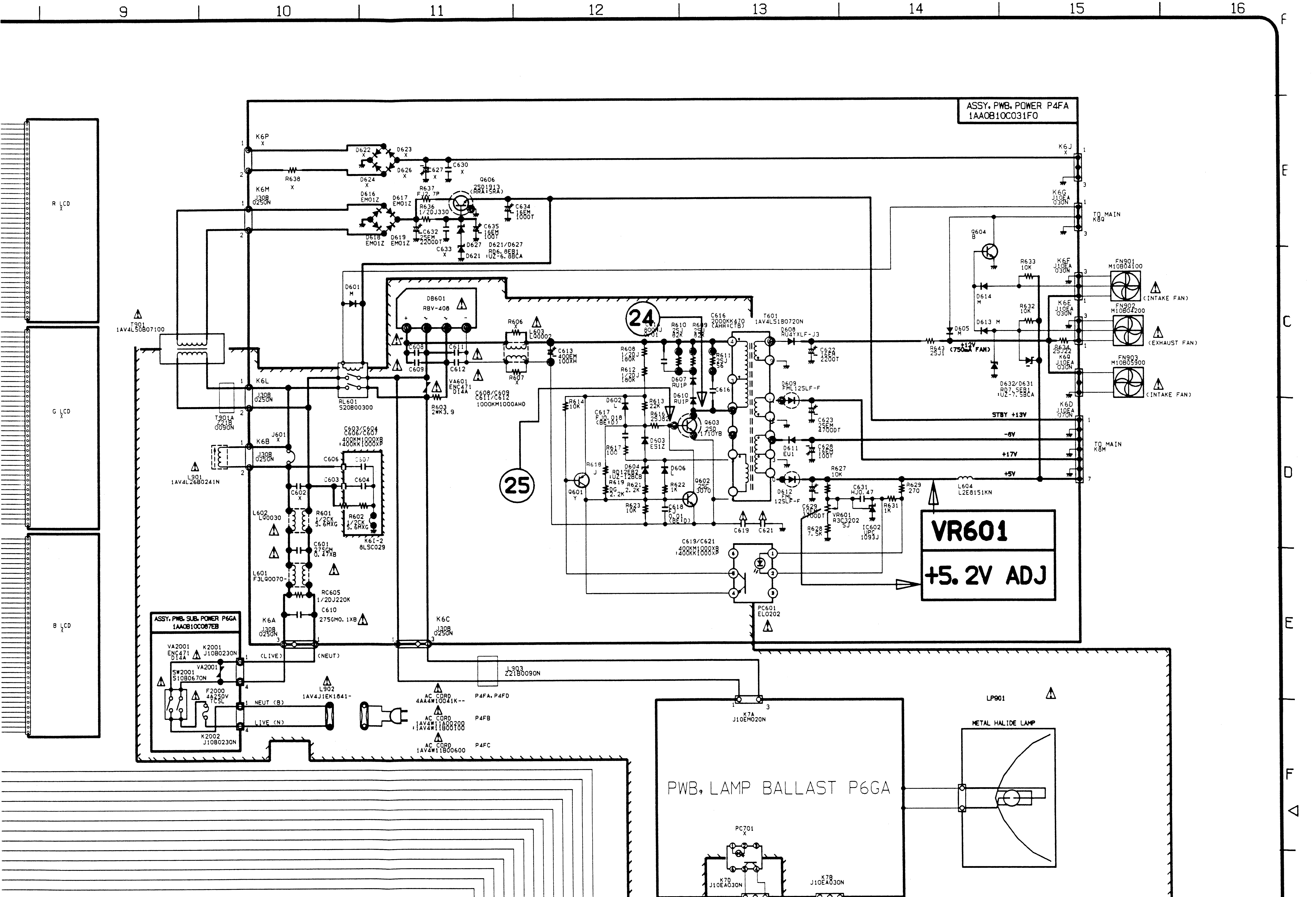

D/A CONVERTER IC2101
R-Y
B-Y
9
10
K22A
ASSY SIGNAL
K2CA
VR6401 VIDEO GAIN ADJ
IC351 VIDEO TONE
APERTURE CORRECTION CORING
Y
11
VR6401
MATRIX& SWITCH
IC352
R
G
B
VR203 VR208 WHITE BALANCE ADJ
IC201 RGB INTERFACE DRIVER
VR209
VR208
VR207
VR203
VR204
VR205
B-VIDEO ADJ. VR208 VR207
R-VIDEO ADJ. VR203 VR205
G-VIDEO ADJ. VR204 VR209
VIDEO GAIN ADJ. TP20R/G/B
12
13
14
K2G
K2F
K2E
K2B
B-Y
R-Y
8
5V
15V
15V1
POWER FAIL
8VB
9V
-8V
8VA
K2J
K2K
K2H
V-COMMON ADJ (FLICKER ADJ) VR241 VR242 VR243
VR241
VR242
VR243
17
15
16
B
R
G
SAMPLE HOLD 1
SAMPLE HOLD 2
VR6216 TP22G6 VIDEO CENTER ADJ
VR6201
VR6202
VR6203
VR6204
VR6205
VR6219
VR6220
VR6221
VR6222
VR6223
IC6201
IC6202
IC6203
VR6206
VR6207
VR6208
VR6209
VR6210
VR6224
VR6225
VR6226
VR6227
VR6228
IC6205
IC6206
IC6207
VR6211
VR6212
VR6213
VR6214
VR6215
VR6229
VR6230
VR6231
VR6232
VR6233
VR6235
IC6209
IC6210
IC6211
21
VR6216
IC6204
TP22G1~6
19
R VIDEO
TP22R1~6
18
B VIDEO
TP22B1~6
20
K21B
K21A
VR6216 TP22G6
VIDEO CENTER ADJ
G
H
I
J
K
L
9
10
11
12
13
14
15
16
BLOCK_P4F_A_01
97J

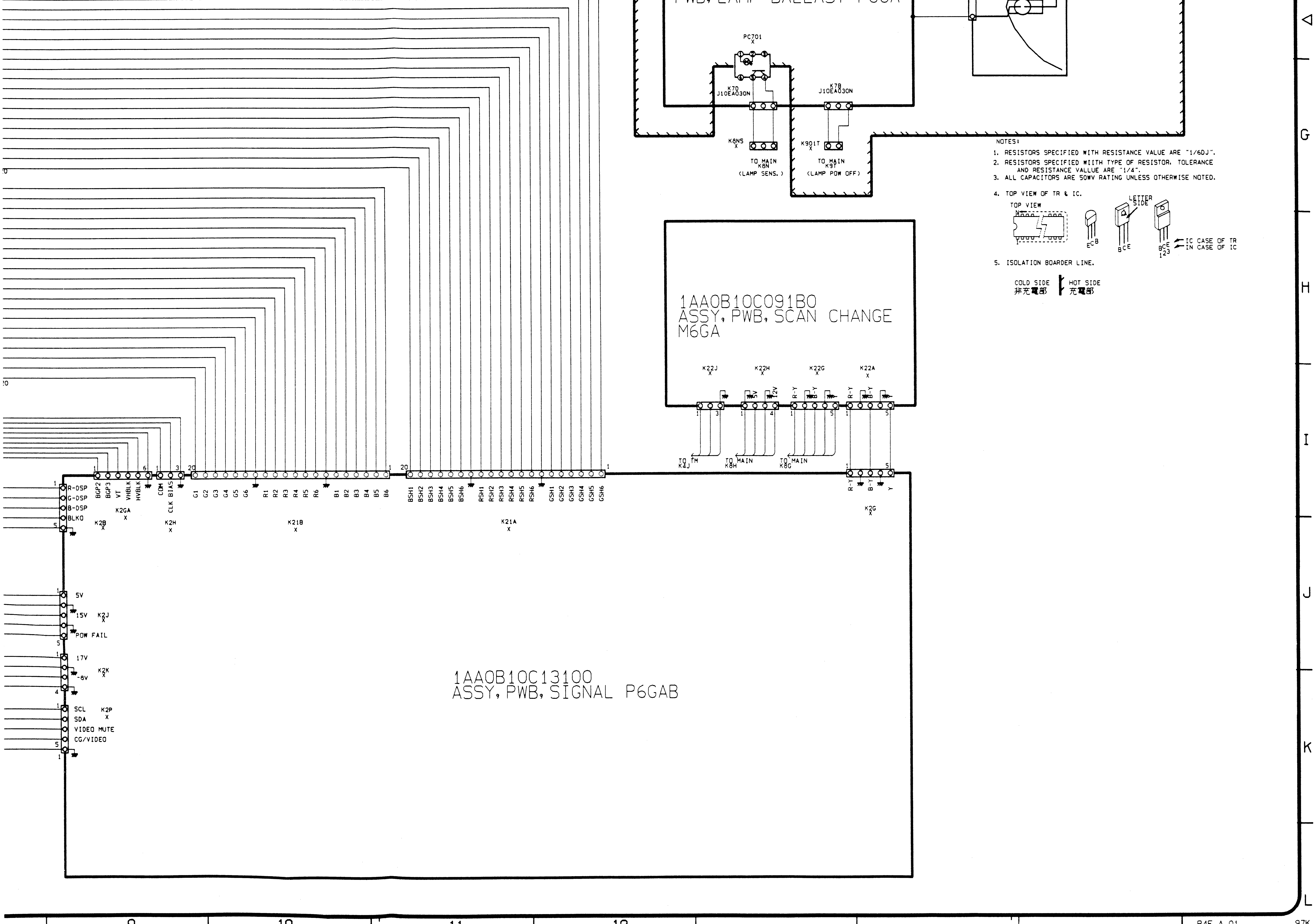
③ MODEL PLV-20B/E
Service Ref. NO. PLV-20B-02 /20E-02

SCHEMATIC DIAGRAMS


AV1/AV2
SELECT SWITCH
ASSAY, PWB, AV P4FAA
1AA0B10C10C151BC
AV1
AV2
DVD
S-VIDEO
AV1 BNC
K11A J31B02100
K11B J31A01100
K11C J12B12201 (RCA-3P)
K11H J12A00202
B-Y
R-Y
DVD-Y
S-V
IC1101 MC14053BF
IC1001
Q1101 T2SC 2812L6
K11J J10AB1900
K11K J10AB1700
TO MAIN K8D
TO MAIN K8C
VIDEO IN
S-Y
S-C
AV1/AV2
S.SW
B-Y
R-Y
AV1.L
AV1.R
AV2.L
AV2.R
MONI.L
MONI.R
MONI.VIDEO
X1101 F34DA 450G
X1102 F34DA 850G
X1104 F34DA 850G
X1106 F34DA450G
X1107 F34DA850G
X1108 F34DA850G
X1171 F34DA450G
X1172 F34DA450G
X1111 F34DA850G
X1114 F34DA450G
X1116 F34DA450G
X1121 F34DA450G
X1122
C1101 KZ0.01 FA
C1102 16EM 47BX
C1131 KZ0.01F
C1132 KZ0.01F
R1118 1/10GJ 10K
R1119 X
R1121 1/10GJ 1K
R1152 1/10GJ75
ASSY, PWB, TM
K5R
K5G
K5B
R LCD
G LCD
B LCD
K41A
GSH6
GSH5
GSH4
GSH3
GSH2
GSH1
RSH6
RSH5
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5


MONITOR-OUT
EXT-SP
12V_OUT
R/C_JACK
ASSY, PWB, PRE AMP
RESET SW
LAMP REPLACEMENT MONITOR TIMER
ASSY, PWB, MAIN
BNC
K11C J12B12201 (RCA-3P)
M-OUT
V
L
R
R1151 1/10GJ 470K
R1152 1/10GJ75
D1146 DZD6.2 (Y|Z)
D1147 DZD6.2 (Y|Z)
D1148 DZD6.2 (Y|Z)
D1149 DZD6.2 (Y|Z)
D1151 DZD6.2 (Y|Z)
D1152 DZD6.2 (Y|Z)
X1121 F34DA450G
X1122 F34DA850G
X1123 F34DA850G
D1153 DZD6.2(Y|Z)
D1154 DZD6.2(Y|Z)
C1113 CJ2200 GA
K11E J12B11101
EX SP
L1111 10UH
L1112 10UH
C1111 CJ2200 GA
L1113 10UH
D1156 DZD6.2(Y|Z)
D1157 DZD6.2(Y|Z)
X1126 F34B2222N
X1127 F34B2222N
X1128 F34B2222N
K11F J11B0980N
12V OUT
D1158 DZD15(X|Y)
X1131 F34DA450G
K11G J12A00400
WIRE R/C
R1161 1/10GJ 100
X1132 F34DA450G
SW1101 S10B1100N
RESET
R1162 1/10GJ 330K
R1163 1/10GJ 1K
D1159 DZD6.2 (Y|Z)
X1133 F34DA450G
D1161 DZD6.2(Y|Z)
R1164 1/10GJ10K
D1162 DZD6.2(Y|Z)
K11L J10AB090N
EXT. SP OUT
S5V
RC(WIRE)
+12V
RESET
RC
AU1201 U20B07200 |U2R0003--
D1201 DZD6.2 (Y|Z)
D1202 DZD6.2 (Y|Z)
R1201 1/10GJ 100
K1201 J10EA 030N
K8Z
TO AV K1004
S-Y
S-C
AV1/AV2
S.SW
TO AV K1104
EXT. SP OUT
S5V
RC(WIRE)
12V
RESET
RC
TO AV K1054
AV1.L
AV1.R
AV2.L
AV2.R
MONITOR L-OUT
MONITOR R-OUT
MONI. VIDEO
K8D
K8A
K8C
SP901 VS0003PEB VS0003PEA
K8B
SW905 S10B1260N
SW904 S10B1240N
(SET TO OPEN AT 55C)
(SET TO OPEN AT 80C)
S5V
TEMP. SENS
K8O
TO LAMP BALLAST K8NS
S5V
LAMP SENS
K8N
TO POW K6H
8V
POW FAIL
K8L
TO POW K6D
S12V
-8V
17V
5V
K8M
TO POW K6G
RELAY DRIV
POW FAIL
K8Q
PC802
K8T
K9T
TO LAMP BALLAST K901T (LAMP POW OFF)
TO BAISOKU K22J
TO MAIN K8A
V-SYNC
H-SYNK
K4J
K4E
K4A
K4C
K4D
K4F
K4I
K4B
K4G
K4H
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
T-CLK
CPU CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
RGB-MUTE
TB
D-STO
D-DATA
D-CLK
-8V
5V
15V
POW FAIL
BLKO
B-DSP
G-DSP
R-DSP
CLP1
CLP2
VT
VHBLK
HVBLK
COM
CLK BIAS
K8W
K8V
K8U
K8S
K8R
K8I
K41A
K41B
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5
BSH4
BSH3
BSH2
BSH1
B6
B5
B4
B3
B2
B1
R6
R5
R4
R3
R2
R1
G6
G5
G4
G3
G2
G1
R-DSP
G-DSP
B-DSP
BLKO
K2B
BGP2
BGP3
VT
K2G
TO BAISOKU K22H
5V
12V
K8H
TO BAISOKU K22G
R-Y
B-Y
Y
K8G
5V
15V
POW FAIL
K8J
K2J
17V
-8V
K8K
K2K
SCL
SDA
VIDEO MUTE
CG/VIDEO
K8P
K2P
G
H
I
J
K
L
1
2
3
4
5
6
7
8


9
10
11
12
13
14
15
16
ASSY. PWB. POWER P4FA
1AA0B10C031F0
R LCD
G LCD
B LCD
K6P
K6M J30B 0250N
K6L J30B 0250N
K6B J30B 0250N
K6A J30B 0250N
K6C J30B 0250N
D622
D623
D624
D626
C627
C630
R638
R637 FJ2.7P
R636 1/2DJ330
Q606 2SD1913 (RRA:SRA)
C634 16EM 1000T
C635 16EM 100T
D616 EM01Z
D617 EM01Z
D618 EM01Z
D619 EM01Z
C632 25EM 2200DT
C633
D627
D621
D621/D627 RD6.8EB1 :UZ-6.8BCA
T901 1AV4L50B07100
T901A Z21B 0090N
L901 1AV4L26B0241N
D601 M
DB601 RBV-408
R606
L603 LQ0002
R607
C608
C609
C611
C612
C613 400EM 100XH
VA601 ENC471 D14A
C608/C609 C611/C612 1000KM1000AHD
R603 2WK3.9
RL601 S20B00300
J601
C603/C604 C606/C607 400KM1000XB :400KK1000XP
C606
C607
C603
C604
C602
R601 1/2CK 5.6MXG
R602 1/2CK 5.6MXG
K6I-2 8LSC029
L602 LQ0030
C601 275GN 0.47XB
L601 F3LQ0070
RC605 1/2DJ220K
C610 275GMO.1XB
24
25
R608 1/2DJ 180K
R612 1/2DJ 180K
C614 800MJ 1.01
R610 2SJ 82K
R609 2SJ 82K
R611 2SJ 56
C616 2000KK470 (AHH:CTB)
C616
T601 1AV4L51B0720N
D607 RU1P
D610 RU1P
R613 22K
R616 2SJ82
D603 ES1Z
D602 L
C617 FJ0.018 (BE10)
R617 100
R614 10K
Q603 2SD 1710YB
D604 RD12EB2 :UZ-12BCB
R619 DG 2.2K
R621 2.2K
R623 10K
D606 L
R622 1K
C618 FJ 0.01 (BE10)
Q602 2SC 3070
R618 J
Q601 Y
C619
C621
C619/C621 400KM1000XB :400KK1000XP
PC601 EL0202
D608 RU4YXLF-J3
C622 16EM 2200T
D609 FML12SLF-F
C623 25EM 4700DT
D611 EU1
C628 16EM 100T
D612 FML 12SLF-F
R627 10K
C629 10EM 1000DT
VR601 R3C3202 SJ
R628 7.5K
C631 HJ0.47
R631 1K
IC602 UPC 1093J
R629 270
L604 L2E8151KN
R643 2SJ1
+12V (750mA FAN)
D605 M
D613 M
D614 M
Q604 B
R633 10K
R632 10K
R634 2SJ22
D632/D631 RD7.5EB1 :UZ-7.5BCA
K6J
K6G J10EA 030N
TO MAIN K8Q
K6F J10EA 030N
K6E J10EA 030N
K6Q J10EA 030N
K6D J10EA 070N
TO MAIN K8M
FN901 M10B04100
(INTAKE FAN)
FN902 M10B04200
(EXHAUST FAN)
FN903 M10B05900
(INTAKE FAN)
STBY +13V
-6V
+17V
+5V
VR601
+5.2V ADJ
ASSY. PWB. SUB. POWER P6GA
1AA0B10C087EB
VA2001 ENC471 D14A
K2001 J10B0230N
VA2001
SW2001 S10B0670N
F2000 4A250V TCSL
K2002 J10B0230N
(LIVE)
(NEUT)
NEUT (B)
LIVE (N)
L902 1AV4J1EK1841-
L903 Z21B0090N
AC CORD 4AA4W10041K--
P4FA, P4FD
AC CORD 1AV4W11A00200 :1AV4W11B00100
P4FB
AC CORD 1AV4W11B00600
P4FC
K7A J10EM020N
PWB, LAMP BALLAST P6GA
PC701
K70 J10EA030N
K7B J10EA030N
LP901
METAL HALIDE LAMP
E
C
D
E
F
◁


PWB, LAMP BALLAST P6GA
PC701
X
K70
J10EA030N
K78
J10EA030N
K8NS
X
K901T
X
TO MAIN
K8N
(LAMP SENS.)
TO MAIN
K9T
(LAMP POW OFF)
1AA0B10C091B0
ASSY, PWB, SCAN CHANGE
M6GA
K22J
X
K22H
X
K22G
X
K22A
X
5V
12V
R-Y
B-Y
R-Y
B-Y
1
3
1
4
1
5
1
5
TO TM
K4J
TO MAIN
K8H
TO MAIN
K8G
1
5
R-Y
B-Y
Y
K2G
X
1
6
1
3
20
1
20
1
1
R-DSP
G-DSP
B-DSP
BLKO
5
BGP2
BGP3
VT
VHBLK
HVBLK
COM
CLK BIAS
G1
G2
G3
G4
G5
G6
R1
R2
R3
R4
R5
R6
B1
B2
B3
B4
B5
B6
BSH1
BSH2
BSH3
BSH4
BSH5
BSH6
RSH1
RSH2
RSH3
RSH4
RSH5
RSH6
GSH1
GSH2
GSH3
GSH4
GSH5
GSH6
K2B
X
K2GA
X
K2H
X
K21B
X
K21A
X
1
5V
15V
K2J
X
POW FAIL
5
1
17V
-8V
K2K
X
4
1
SCL
SDA
VIDEO MUTE
CG/VIDEO
K2P
X
5
1
1AA0B10C13100
ASSY, PWB, SIGNAL P6GAB
G
H
I
J
K
L
9
10
11
12
13
14
15
16
20
20

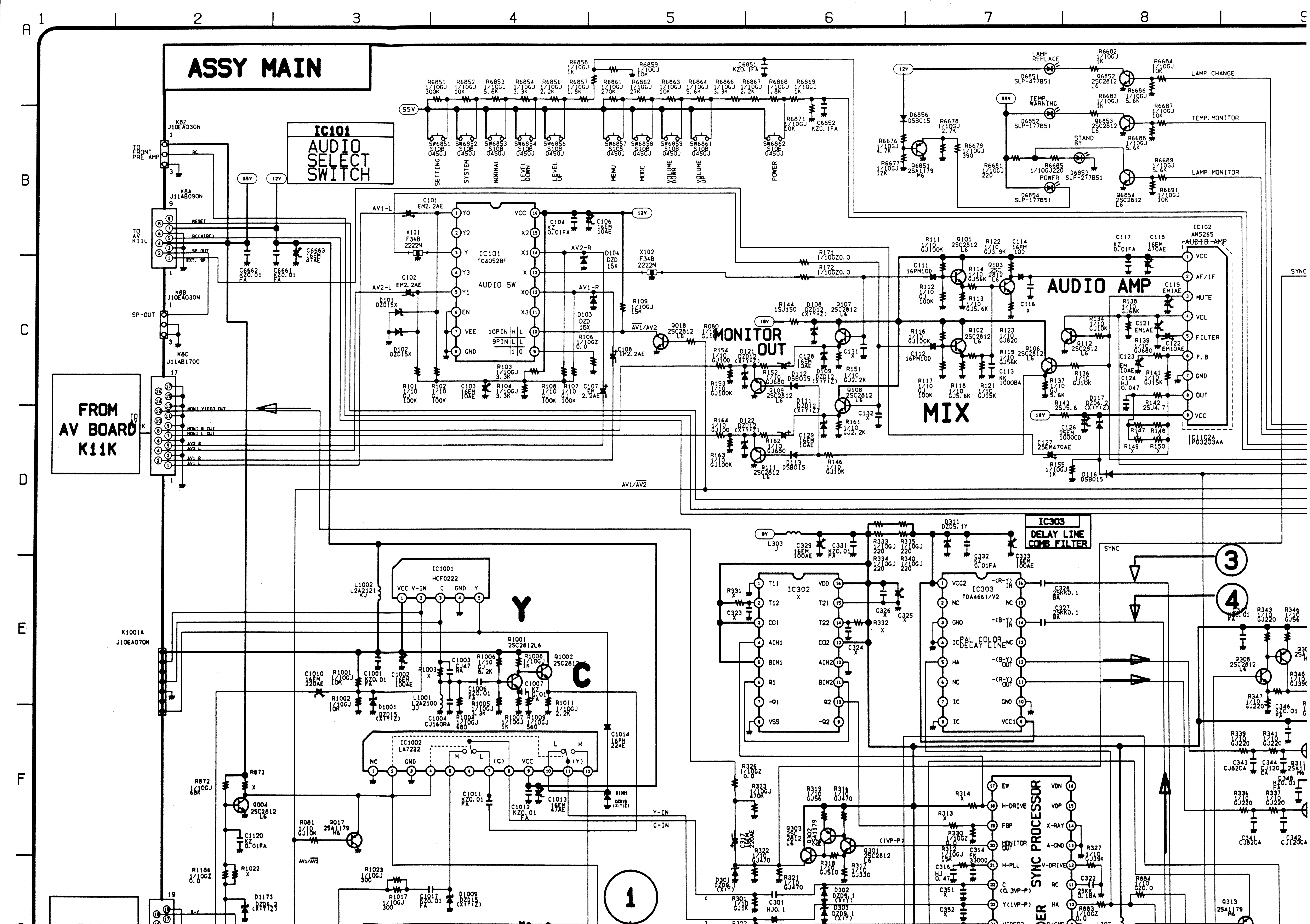
NOTES:

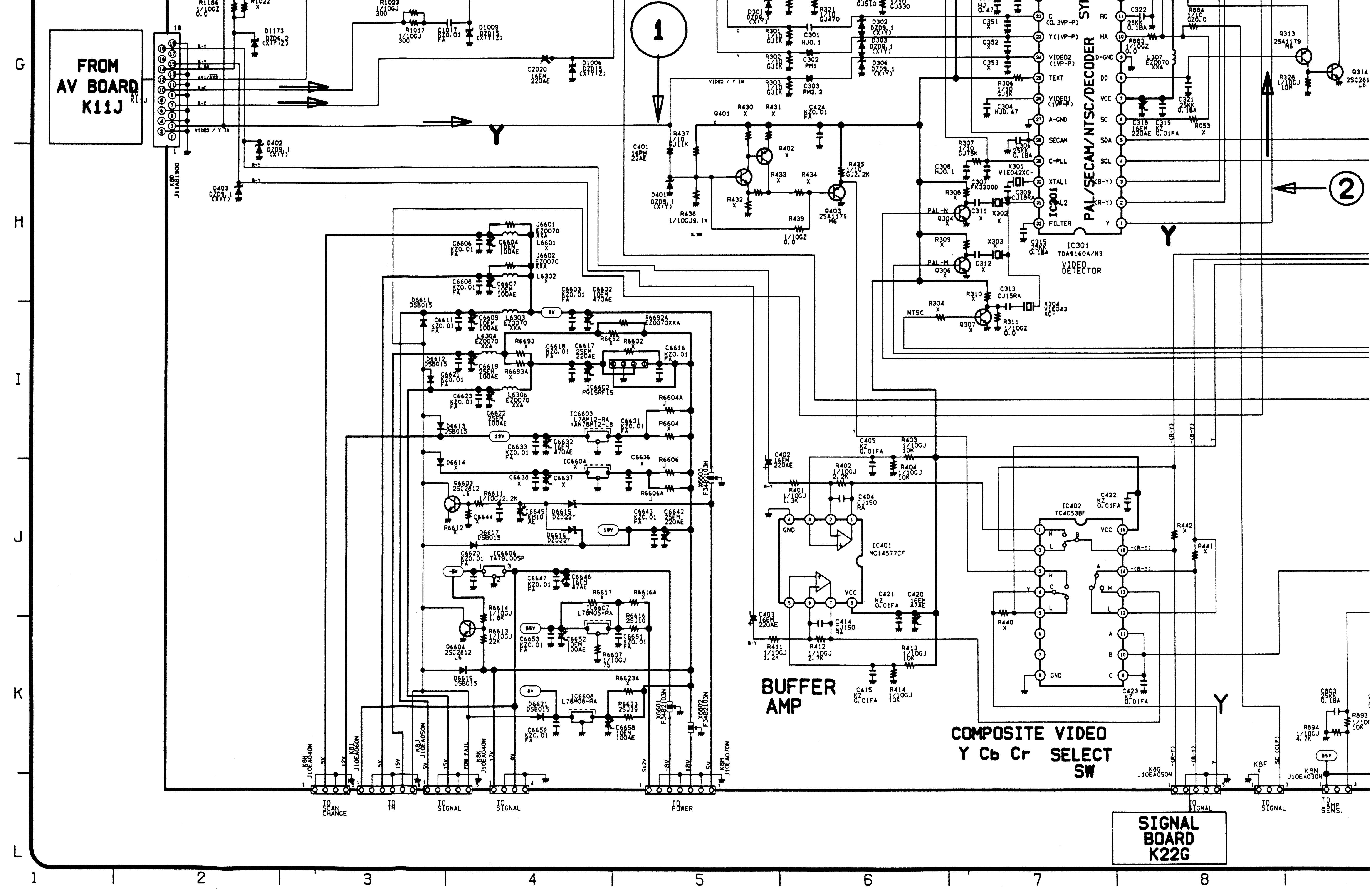
1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ".
2. RESISTORS SPECIFIED WIITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.
4. TOP VIEW OF TR & IC.

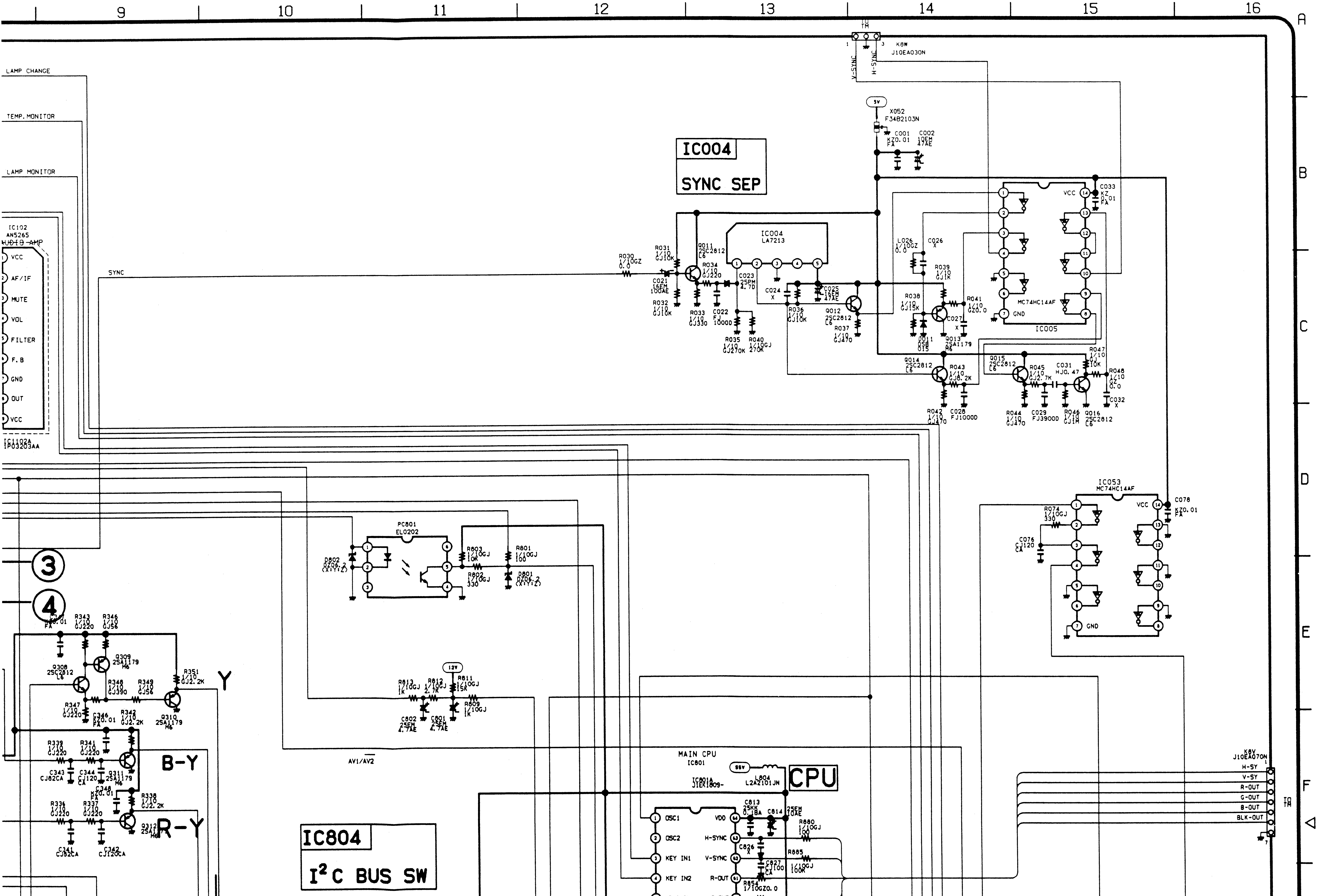
TOP VIEW
N
1
E C B
LETTER SIDE
B C E
B C E
1 2 3
IC CASE OF TR
IN CASE OF IC

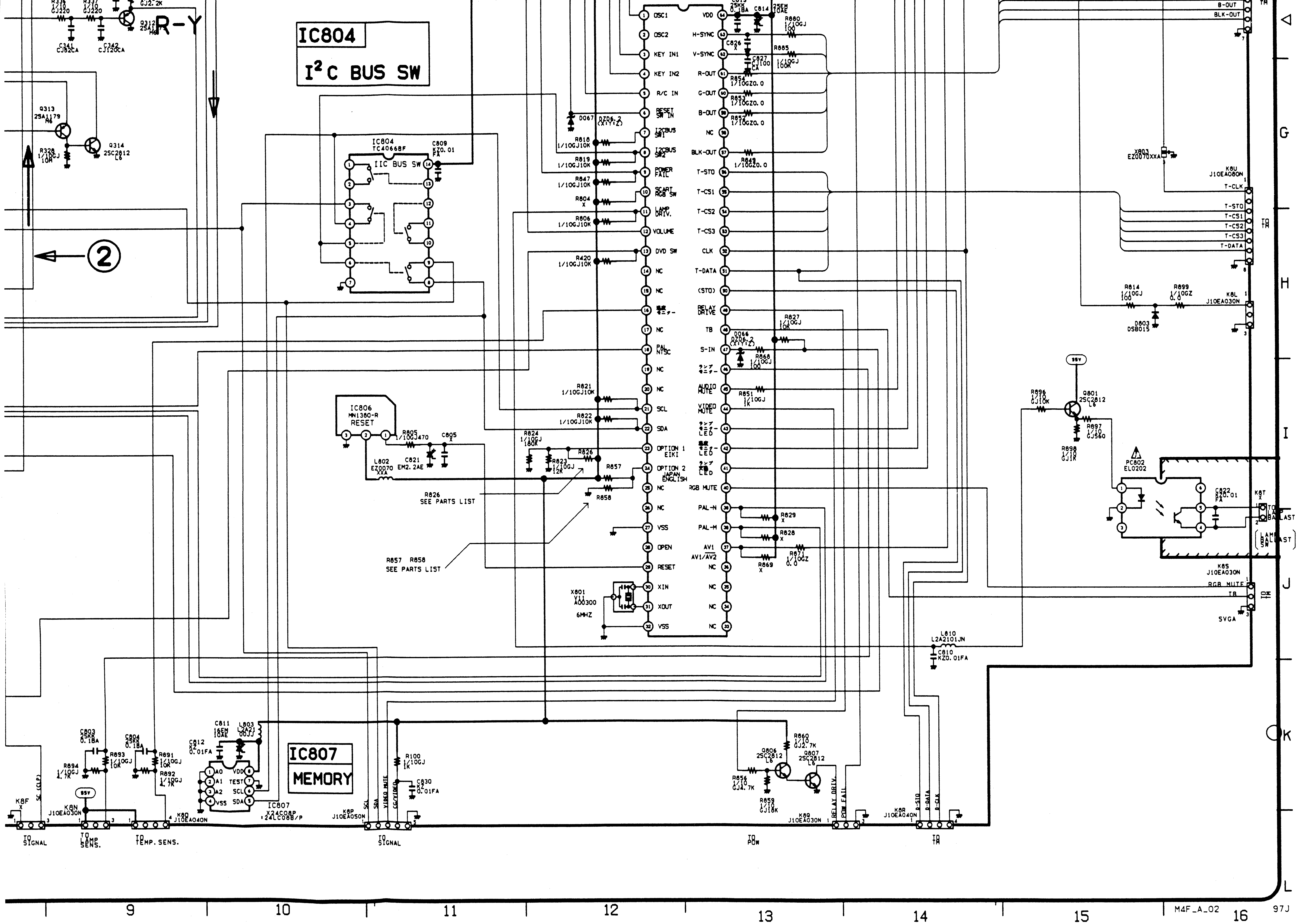
5. ISOLATION BOARDER LINE.

COLD SIDE
非充電部
HOT SIDE
充電部


ASSY MAIN
IC101
AUDIO SELECT SWITCH
IC101
TC4052BF
AUDIO SW
TO FRONT PRE AMP
K87
J10EA030N
K8A
J11AB090N
TO AV K11L
RESET
K8B
J10EA030N
SP-OUT
K8C
J11AB1700
FROM AV BOARD K11K
MONI VIDEO OUT
AV1/AV2
SETTING
SYSTEM
NORMAL
LEVEL DOWN
LEVEL UP
MENU
MODE
VOLUME DOWN
VOLUME UP
POWER
LAMP REPLACE
LAMP CHANGE
TEMP. WARNING
TEMP. MONITOR
STAND BY
POWER
LAMP MONITOR
MONITOR OUT
MIX
AUDIO AMP
IC102
AN5265
AUDIO AMP
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
IC1102A
IP03203AA
IC303
DELAY LINE COMB FILTER
IC302
IC303
TDA4661/V2
PAL COLOR DELAY LINE
SYNC
3
4
K1001A
J10EA070N
IC1001
HCF0222
Y
C
IC1002
LA7222
Y-IN
C-IN
1
SYNC PROCESSOR
H-DRIVE
V-DRIVE
MONITOR OUT
H-PLL


FROM AV BOARD K11J
Y
①
②
PAL/SECAM/NTSC/DECODER
IC301 TDA9160A/N3 VIDEO DETECTOR
BUFFER AMP
IC401 MC14577CF
IC402 TC4053BF
COMPOSITE VIDEO Y Cb Cr SELECT SW
TO SCAN CHANGE
TO TR
TO SIGNAL
TO SIGNAL
TO POWER
TO SIGNAL
TO SIGNAL
TO LAMP SENS.
SIGNAL BOARD K22G
G
H
I
J
K
L
1
2
3
4
5
6
7
8


9
10
11
12
13
14
15
16
A
B
C
D
E
F
K8W
J10EA030N
V-SYNC
H-SYNC
3V
X052
F34B2103N
C001
KZ0.01
FA
C002
10EM
47AE
IC004
SYNC SEP
IC004
LA7213
Q011
2SC2812
L6
R030
1/10GZ
0.0
R031
1/10
GJ10K
R034
1/10
GJ220
C021
16EM
100AE
R032
1/10
GJ10K
R033
1/10
GJ330
C022
FJ
1000D
C023
25PM
4.7D
C024
X
C025
16EM
47AE
R035
1/10
GJ270K
R040
1/10GJ
270K
R036
1/10
GJ10K
Q012
2SC2812
L6
R037
1/10
GJ470
L026
1/10GZ
0.0
C026
X
R039
1/10
GJ1K
R038
1/10
GJ15K
R041
1/10
GZ0.0
C027
X
D011
DSB
015
Q013
2SA1179
M6
IC005
MC74HC14AF
VCC
GND
C033
KZ
0.01
FA
Q014
2SC2812
L6
R043
1/10
GJ8.2K
R042
1/10
GJ470
C028
FJ1000D
Q015
2SC2812
L6
R045
1/10
GJ2.7K
C031
HJ0.47
R047
1/10
GJ10K
R048
1/10
GZ0.0
C032
X
R044
1/10
GJ470
C029
FJ3900D
R046
1/10
GJ1M
Q016
2SC2812
L6
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
IC102
AN5265
AUDIO AMP
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
VCC
IC1102A
1P03203AA
SYNC
IC053
MC74HC14AF
R074
1/10GJ
330
C076
CJ120
CA
C078
KZ0.01
FA
PC801
EL0202
D802
DZ6.2
(X,Y,Z)
R803
1/10GJ
10K
R801
1/10GJ
100
R802
1/10GJ
330
D801
DZ6.2
(X,Y,Z)
3
4
R343
1/10
GJ220
R346
1/10
GJ56
Q309
2SA1179
M6
Q308
2SC2812
L6
R348
1/10
GJ390
R349
1/10
GJ56
R351
1/10
GJ2.2K
Y
R347
1/10
GJ220
C346
KZ0.01
FA
R342
1/10
GJ2.2K
Q310
2SA1179
M6
R339
1/10
GJ220
R341
1/10
GJ220
B-Y
C343
CJ82CA
C344
CJ120
CA
Q311
2SA1179
M6
C348
KZ0.01
FA
R338
1/10
GJ2.2K
R336
1/10
GJ220
R337
1/10
GJ220
Q312
2SA1179
M6
R-Y
C341
CJ82CA
C342
CJ120CA
12V
R813
1/10GJ
1K
R812
1/10GJ
2.7K
R811
1/10GJ
15K
R809
1/10GJ
1K
C802
25EM
4.7AE
C801
25EM
4.7AE
AV1/AV2
IC804
I²C BUS SW
MAIN CPU
IC801
5V
L804
L2A2101JN
CPU
IC801A
J1EK1809-
OSC1
OSC2
KEY IN1
KEY IN2
VDD
H-SYNC
V-SYNC
R-OUT
C813
25KK
0.1BA
C814
25EM
10AE
C826
X
C827
CJ100
CA
R880
1/10GJ
100
R885
1/10GJ
100K
R854
1/10GZ0.0
K8V
J10EA070N
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
TO
TM



IC804
I²C BUS SW
R-Y
Q312
Q313 2SA1179
Q314 2SC2812
R328 1/10GJ 10K
C341 CJ82CA
C342 CJ120CA
②
IC804 TC4066BF
IIC BUS SW
C809 KZ0.01 FA
IC806 MN1380-R RESET
R805 1/10GJ470
C805 X
L802 EZ0070 XXA
C821 EM2.2AE
R826 SEE PARTS LIST
R857 R858 SEE PARTS LIST
R824 1/10GJ 180K
R823 1/10GJ 12K
R816 1/10GJ10K
R819 1/10GJ10K
R847 1/10GJ10K
R804 X
R806 1/10GJ10K
R420 1/10GJ10K
R821 1/10GJ10K
R822 1/10GJ10K
D067 DZ06.2 (X/Y/Z)
X801 V11 A00300 6MHZ
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
I2CBUS SW1
I2CBUS SW2
POWER FAIL
SCART RGB SW
LAMP DRIV.
VOLUME
DVD SW
NC
PAL NTSC
SCL
SDA
OPTION 1 EIKI
OPTION 2 JAPAN ENGLISH
VSS
OPEN
RESET
XIN
XOUT
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
BLK-OUT
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
(STO)
RELAY DRIVE
TB
S-IN
AUDIO MUTE
VIDEO MUTE
RGB MUTE
PAL-N
PAL-M
AV1 AV1/AV2
C814 25EM 10AE
C826 X
C827 CJ100 CA
R880 1/10GJ 100
R885 1/10GJ 100K
R854 1/10GZ0.0
R853 1/10GZ0.0
R852 1/10GZ0.0
R849 1/10GZ0.0
R827 1/10GJ 10K
D066 DZ06.2 (X/Y/Z)
R868 1/10GJ 100
R851 1/10GJ 1K
R829 X
R828 X
R869 X
R871 1/10GZ 0.0
X803 EZ0070XXA
K8U J10EA080N
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
TO TR
B-OUT
BLK-OUT
R814 1/10GJ 100
R899 1/10GZ 0.0
D803 DS8015
K8L J10EA030N
9SV
R896 1/10 GJ10K
Q801 2SC2812 L6
R897 1/10 GJ560
R898 1/10 GJ1K
PC802 EL0202
C822 KZ0.01 FA
K8T X
TO BALLAST
LAMP BALLAST SW
K8S J10EA030N
RGB MUTE
TB
TO TR
SVGA
L810 L2A2101JN
C810 KZ0.01FA
C803 25RK 0.18A
R893 1/10GJ 10K
R894 1/10GJ 4.7K
C804 25RK 0.18A
R891 1/10GJ 10K
R892 1/10GJ 4.7K
C811 16EM 10AE
L803 L2A2J 00JJ
C812 KZ 0.01FA
IC807 X24C08P / 24LC08B/P
A0
A1
A2
VSS
VDD
TEST
SCL
SDA
IC807
MEMORY
R100 1/10GJ 1K
C830 KZ 0.01FA
K8F X
SC (CLP)
K8N J10EA030N
K8O J10EA040N
K8P J10EA050N
SCL
SDA
VIDEO MUTE
CG/VIDEO
TO SIGNAL
TO LAMP SENS.
TO TEMP. SENS.
TO SIGNAL
R860 1/10 GJ2.7K
Q806 2SC2812 L6
Q807 2SC2812 L6
R856 1/10 GJ4.7K
R859 1/10 GJ10K
K8Q J10EA030N
RELAY DRIV.
POW FAIL
TO POW
K8R J10EA040N
R-STO
R-DATA
R-CLK
TO TR
G
H
I
J
K
L
9
10
11
12
13
14
15
16

M4F_A_02 97J

V19810

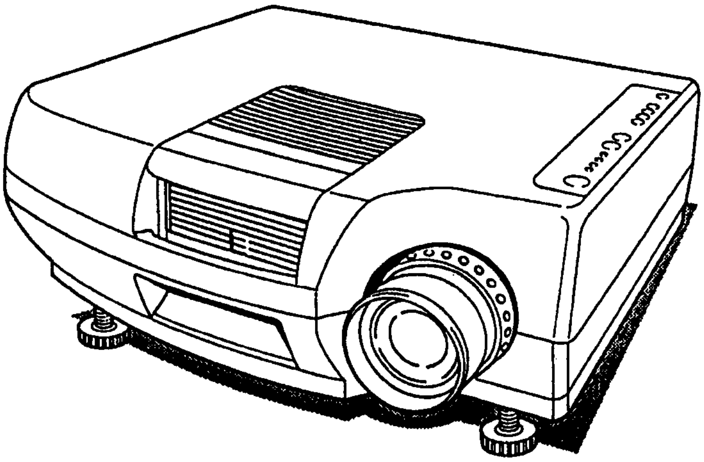
SANYO

FILE NO.

SERVICE MANUAL

Data LCD Projector

Model no. **PLC-550ME**
(Europe,Asia,Africa,M.E.)
Model no. **PLC-550MB**
(U.K.)
Model no. **PLC-550MP**
(Australia,NewZealand)



REPARATUR UNTERLAGEN
TELEFAX*089/67000790
TELEFON*089/67908154

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ORIGINAL VERSION

Service Ref. No.	PLC-550ME-00 PLC-550MB-00 PLC-550MP-00

PRODUCT CODE

P6GA	(PLC-550ME-00)	; 1122 030 00
P6GC	(PLC-550MB-00)	; 1122 030 02
P6GD	(PLC-550MP-00)	; 1122 030 03

REFERENCE NO. SM525033

[SAFETY INSTRUCTIONS]

SAFETY PRECAUTIONS

WARNING: The chassis of this projector is isolated (COLD) from AC line by using the converter transformer. Primary side of the converter transformer and lamp power supply unit circuit is connected to the AC line and it is hot, which hot circuit is identified with the line in the schematic diagram. For continued product safety and protection of personnel injury, servicing should be made with qualified personnel.

The following precautions must be observed:

1. An isolation transformer should be connected in the power line between the receiver and the AC line before any service is performed on the projector.
2. Comply with all caution and safety - related notes provided on the cabinet back, cabinet bottom, inside the cabinet or on the chassis.
3. When replacing a chassis in the cabinet, always be certain that all the protective devices are installed properly, such as control knobs, adjustment covers or shields and barriers.

DO NOT OPERATE THIS PROJECTOR WITHOUT THE PROTECTIVE SHIELD IN POSITION AND PROPERLY SECURED.

4. Before replacing the cabinet cover, thoroughly inspect the inside of the cabinet to see that no stray parts or tools have been left inside.

Before returning any projector to the customer, the service personnel must perform the following safety checks and be sure that it is completely safe to operate without danger of electrical shock.

PRODUCT SAFETY NOTICE

Product safety should be considered when a component replacement is made in any area of the projector. Components indicated by a mark (⚠) in the parts list and the schematic diagram designate components in which safety can be of special significance. It is, therefore, particularly recommended that the replacement of these parts must be made by exactly the same parts.

" SERVICE PERSONNEL ---- WARNING " : " Eye Damage May Result From Directly Viewing The Light Produced By The Lamp Used In This Equipment.

Always Turn Off Lamp Before Opening Cover. Ultraviolet Radiation Eye Protection Required During This Servicing. "

Never turn the power on without the lamp to avoid electric - shock or damage of the devices since the stabilizer generates high voltages(10kV - 15kV) at its start.

Since the lamp is very high temperature during units operation replacement of the lamp should be done at least one hour after the power has been turned off, to allow the lamp cool - off.

【 LIQUID CRYSTAL PROJECTOR OUTLINE】

**The new LC Data-Grade Projector is a compact model with upgraded performance levels and multimedia compatibility.
It provides features such as:**

1. Compact, lightweight and portable design.

This A3 briefcase-size data projector comes with a carrying handle for easy portability.

It is not necessary to adjust static convergence each time the projector is set-up. A 1.3x zoom allows projection size to easily match the installation space, and makes focusing easy.

2. High-resolution picture

2-1. Precision liquid crystal panels

Three liquid crystal panels, each consisting of 640 dots x 480 lines are used. Using a total of 921,600 pixels creates a high-definition image with a horizontal resolution of 550 TV lines.

2-2. Stripe LCD panel formation suitable for computer pixel display

The stripe formation of liquid crystal panels is optimized for displaying small computer-generated characters and data with superb accuracy and clarity, eliminating jagged vertical lines.

3. Automatic computer sensing

The projector automatically senses a connected computer by detecting its horizontal and vertical scanning frequencies as well as sync signal data.

4. Automatic multi-scanning

Depending on the data received from the automatic computer sensing circuit, the projector automatically produces a liquid crystal panel driving pulse to match the connected computer system, performs scan-conversion for video signals and projects them on the liquid crystal panels.

5. Monitor output possible even with power off.

Even if the projector is off, the monitor output circuit remains active, enabling monitoring with other displays without having to disconnect the cable.

6. Gradation correction circuitry

The gamma-correction, white extension and black extension circuits combine to eliminate white bleeding on bright pictures and black bleeding on dark picture. A sharp contrast is always provided, making the optical dynamic range appear to increase.

7. Multi-color system

Video input is compatible with major color systems worldwide including PAL, SECAM and NTSC. Video software from around the world can be used.

[PRINCIPLES AND FUNCTIONS OF THE LIQUID CRYSTAL PROJECTOR]

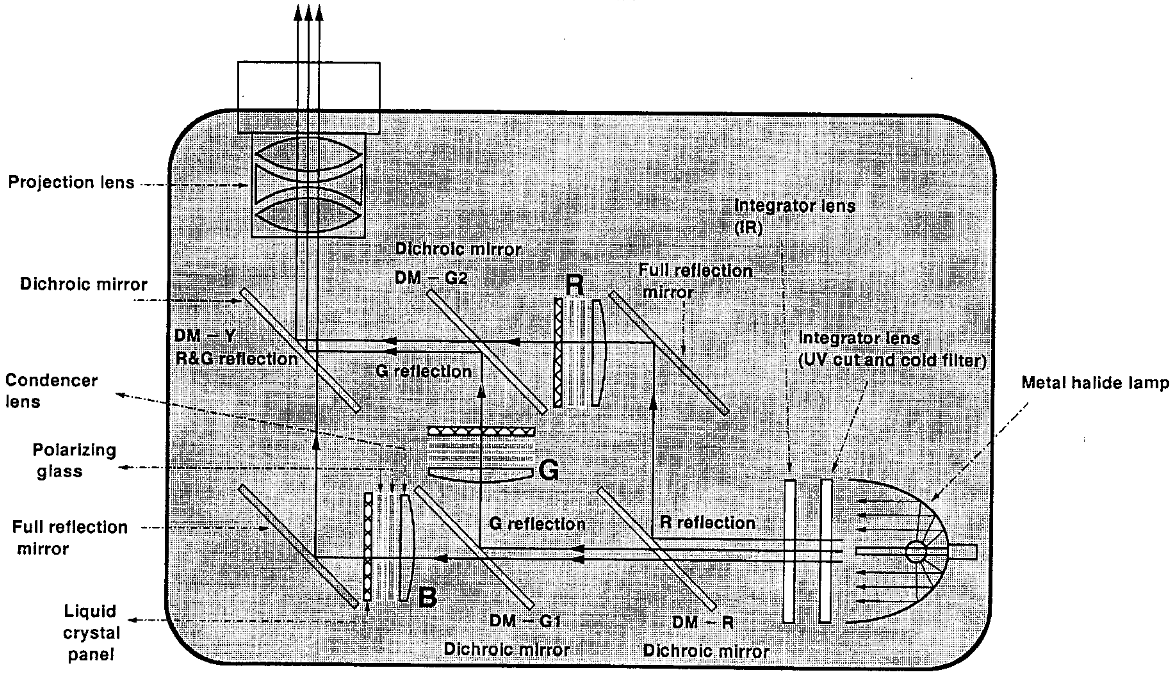
1. Fundamental Principles of the Liquid Crystal Projector

The white light emitted from the light source is separated into red (R), green (G) and blue (B) light components by the dichroic mirror. Each component is projected onto one of the three liquid crystal panels.

The three crystal liquid panels are respectively driven by R, G, and B primary color signals. The R/G/B images are reproduced by the shutter operation of these panels. The R, G, and B pictures displayed on the three panels are again combined by the dichroic mirror into one and projected onto the screen.

Fig. 1 shows the fundamental principles of the liquid crystal projector. Ultraviolet and infrared rays are filtered out by the UV-cut filter and cold filter from the light beams produced by the metal halide lamp which is the light source. Thus unneeded light components in the projected image are eliminated and the liquid crystal panel is protected from the light and heat of the lamp. The ultraviolet rays harmful to the operator are also cut out. The light beams now consist only of visible light components which enter the condenser lens, creating parallel light beams to prevent light from scattering, improving luminous efficiency. The light beams are next divided into three primary colors (red, green and blue) by the dichroic mirror. The dichroic mirror is a filter constructed of multiple dielectric layers, each having a different refractive index. The layers are formed on glass to reflect light of a specific wavelength and transmit others. Each of the divided R, G, and B parallel light beams now enter its respective liquid crystal panel, where they are intensity-modulated by R/G/B color signals. The images formed on R, G and B panels are again combined by the dichroic mirror and reflected by the full reflection mirror before being projected on the screen by the projection lens.

Fig. 1 Liquid crystal projector conceptual drawing


Projection lens
Dichroic mirror
DM – Y
R&G reflection
Condencer lens
Polarizing glass
Full reflection mirror
Liquid crystal panel
Dichroic mirror
DM – G2
G reflection
R
G
B
G reflection
DM – G1
Dichroic mirror
Full reflection mirror
R reflection
DM – R
Dichroic mirror
Integrator lens (IR)
Integrator lens (UV cut and cold filter)
Metal halide lamp

2. Automatic Computer Sensing and Automatic Multi-Scanning

When a computer is connected to the projector, the automatic computer scanning circuit sends the polarity of the computer's H-sync and V-sync and its H-sync signal counts by the fixed clock and V-sync signal counts by the H-sync to the CPU. The CPU has data tables corresponding to different computer models and recognizes the connected computer through data sent from the computer sensing circuit. Fig. 2 shows the flow chart of automatic computer sensing.

The timing controller receives the computer's serial data from the CPU, and sends it to the data converter for converting it into parallel data. Various pulses are produced at each block, based on the parallel data. Dot clocks and lines for a certain horizontal period, the period to start video signal from the horizontal sync signal, as well as the dot clock frequencies all differ with different computer models. To accommodate various makes of computers, the timing controller receives data such as H-sync counts and video signal display position from the CPU and creates various pulses based on the data.

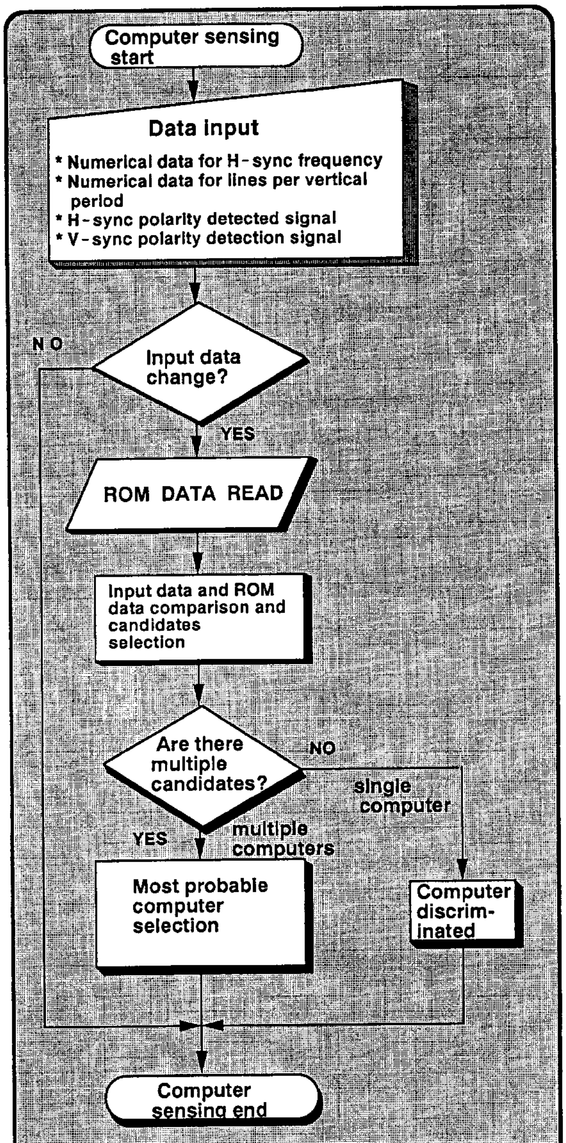

Computer sensing start
Data Input
* Numerical data for H-sync frequency
* Numerical data for lines per vertical period
* H-sync polarity detected signal
* V-sync polarity detection signal
NO
Input data change?
YES
ROM DATA READ
Input data and ROM data comparison and candidates selection
Are there multiple candidates?
NO
single computer
YES
multiple computers
Most probable computer selection
Computer discrim-inated
Computer sensing end

Fig. 2. Automatic computer sensing flow chart

3. Lamp Power Source

The lamp power source activates the lamp and controls the power supply to the lamp to maintain and stabilize the lamp discharge, keeping illumination at a constant level.

Fig. 3 shows the lamp power source block diagram.

3-1. Chopper

Designed to control power supply to the lamp, the chopper circuit consists of switching transistors, choke coils, diodes, etc. It generates intermittent current by switching the switching transistor on and off. The longer the On time, does the supplied power increase, while the longer the Off time, does the supplied power lower. Therefore, by varying the on/off time, power supply can be controlled.

The chopper circuit varies the switching transistor on/off time to maintain the power supply to the lamp at a constant level.

3-2. Lamp driver

DC and AC lamp illumination methods are available.

With DC illumination, luminous substances are attracted to the negative electrode, causing discharge to accumulate toward it. Another drawback is a greater power loss which lessens efficiency. Therefore AC illumination is more often used. The lamp driver circuit is a DC-AC converter used for AC illumination of the lamp.

3-3. High-voltage pulse generator

The high-voltage pulse generator lights the lamp. The metal halide lamp emits light through arc discharge. To initiate arc discharge, dielectric breakdown must occur between the lamp electrodes. The high-voltage pulse generator generates and applies high-voltage pulses with peak values of about 20kV between the lamp's positive and negative electrodes in order to generate glow discharge. This in turn results in dielectric breakdown between the electrodes, causing a shift from glow discharge to arc discharge.

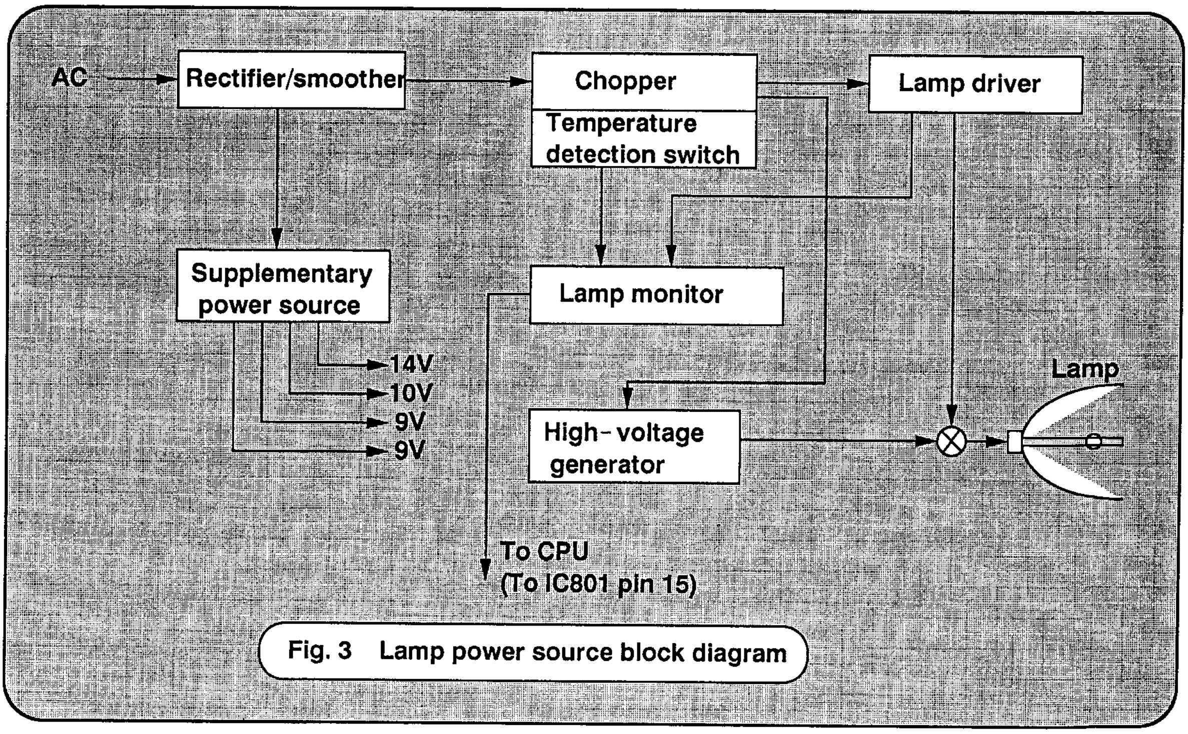


Fig. 3 Lamp power source block diagram

4. Metal Halide Lamp

The metal halide lamp consists of argon, mercury and halogen compounds enclosed in its luminous tube.

Fig. 4 shows the spectral distribution of this lamp. At the center of an arc discharge, halogen compounds are dissociated into metal atoms and halogen atoms, the metal being excited so that it emits a metal-specific spectrum. At the periphery of the arc discharge, metal atoms and halogen atoms are bonded again. Repeating this cyclic process causes light to be generated.

The metal halide lamp features a higher luminous efficiency than halogen and xenon lamps. Depending on the compounds enclosed in the lamp tube, different light spectra are generated. This also enables natural white light to be produced as the projector light source. Metal halide lamps are a mainstream product as the light source of high- and middle-grade liquid crystal projectors. After projector turn-on, 2 to 3 minutes are required before the light output stabilizes. After the projector is turned off, the cooling fan operates for 30 to 60 seconds to cool down the lamp and reduce gas pressure inside the lamp.

During this "cooling down" period, the projector cannot be turned on.

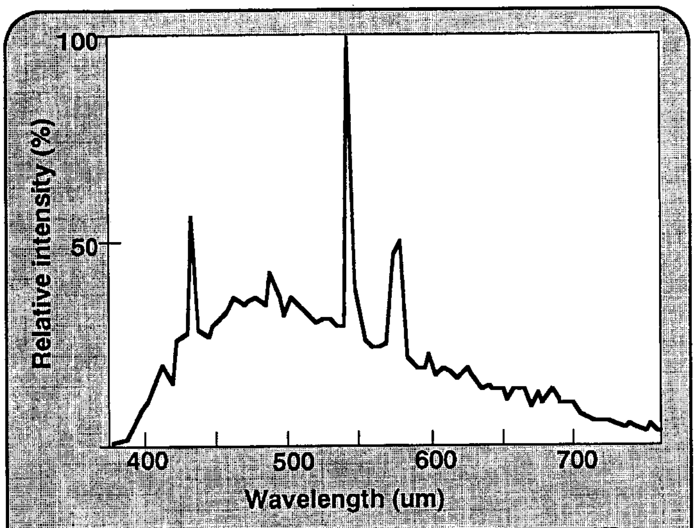


Fig. 4 Metal halide lamp spectral distribution

5. System Control

Complete projector system operations are centrally controlled by the main CPU (IC801) and sub CPU (IC802).

The sub CPU is responsible for automatic computer sensing, and the main CPU controls remaining operations. Main system operations are as follows:

A. Various protection functions
  a. Lamp monitor
  b. Temperature monitor
  c. Power failure
B. Automatic computer sensing
C. Automatic multi-scanning
D. Lamp replacement monitor
E. Service mode
  a. I^2C data adjustment
  b. Sample hold adjustment
  c. Write data into Reserve mode
F. On-screen display

5-1. Lamp monitor

To ensure correct and safe lamp illumination, lamp illumination conditions are monitored to detect abnormal temperatures in the lamp power source and to control the cooling fan. On the metal halide lamp used, voltage as high as 20kV is applied at striking to initiate discharge. Once discharge commences, voltage stabilizes at about 85V.

In addition, the lamp also generates heat, increasing projector interior temperature. A cooling fan prevents temperature increases. Cooling fan operation is controlled by the CPU which monitors the lamp power source to determine lamp illumination conditions.

Correct lamp illumination makes the lamp power source send an "L" signal to pin 15 of the CPU (IC801). If the lamp does not light or is suddenly extinguished, the "H" signal is sent to pin 15 of the CPU (IC801). When the lamp lights after the projector is turned on, the CPU (IC801) starts checking the input at pin 15 at 3 seconds after projector turn-on. If the "H" signal is received by pin 15 for a duration of 1 second, the CPU (IC801) evaluates this indications as an abnormal condition, turning the power off automatically and initiating 1-minute thermal protection. While in protection mode, all set keys and remote control keys including the power on/off switch will not respond. The cooling fan will continue to operate in protection mode.

The lamp power source temperature also rises due to control loss of the chopper (Q701) and lamp driver (Q702 - Q705). This makes it necessary to also cool down the lamp power source with the cooling fan, therefore the lamp power source temperature is also monitored. If the temperature of power source heat sink reaches approximately 80 ℃ , an "H" signal is sent to pin 15 of CPU (IC801) ("L" signal for normal temperatures). An "H" signal at pin 15 for a 1 second duration is considered as abnormal. The projector automatically turns off and the 1-minute protection is initiated. All set keys and remote control keys will not respond in protection mode, but the cooling fan will continue to operate.

During lamp lighting, the discharge-induced heat increases gas pressure inside the lamp. As gas pressure remains high after lamp turn-off, the lamp cannot be turned on again immediately. The 1-minute protection is initiated again after turning off the lamp (turning off the projector), disabling all set keys and remote control keys for that period. The cooling fan will continue to operate until the gas pressure returns to a satisfactory level.

The green LED indicates lamp monitor operation as follows:

● LED off: Lamp is being cooled.
◎ LED on: Lamp is being lit or already cooled down.

Fig. 5 shows lamp monitor flow chart.

5-2. Temperature monitor

Projector temperature is monitored, and power will turn off automatically if the temperature rises beyond normal. The cooling fan will operate until the temperature returns to normal. This prevents projector components from being damaged by excessive heat.

As the lamp generates heat and heat waves by discharge, the temperatures of the lamp itself, as well as the polarizing glass, liquid crystal panels and other optical components will increase. Fan-induced cooling is essential.

The temperature of the lamp's luminous glass surface must be lower than approximately 950 ℃ , the reflector internal surface temperature must be lower than 350 ℃ and the polarizing glass and liquid crystal panel surface temperatures lower than 55 ℃ .

Temperatures may exceed these ranges if the fan does not operate or if the projector is operated in poor ventilation. If the projector is used at ambient temperatures exceeding 35 ℃ , the above-mentioned temperatures will also exceed permissible ranges, damaging optical components such as the polarizing glass and liquid crystal panels.

In order to prevent damage resulting from excessive heat, temperature sensors are located at the peripheries of the polarizing glass and liquid crystal panel to monitor temperatures.

The temperature sensor positioned near the lamp has an applicable temperature range of 80 ° ± 5 ℃ with hysteresis of 7 ℃ (sensor activates at 80 ° ± 5 ℃ and resets at 73 ° ± 5 ℃). Its main purpose is to protect the lamp.

The temperature sensor positioned close to the liquid crystal panels has an applicable temperature range of 55 ° ± 2.5 ℃ with hysteresis of 7 ℃ . It means the sensor activates at 55 ° ± 2.5 ℃ and resets at 48 ° ± 2.5 ℃ . Its main purpose is to protect the liquid crystal panels.

Once AC power is input, the CPU (IC801) performs an input check at pin 16 regardless of the power on/off setting. If the temperature at the lamp periphery reaches approximately 80 ℃ or the temperature at the periphery of the liquid crystal panels reaches approximately 55 ℃ , an "L" signal is generated and sent to pin 16 of the CPU. If the "L" signal is continuous for 1 second, the CPU sees it as an abnormal condition, automatically turning off the projector and so turning off the lamp, and continues cooling fan operation until the temperature lowers.

In this protection mode, all set keys and remote control keys do not respond. The CPU checks input at pin 16 during cooling as well. The temperature sensor at the periphery of the lamp will reset when the temperature goes below 73 ℃ , sending an "H" signal. In similar fashion, the liquid crystal panel temperature sensor will reset below 48 ℃ and output an "H" signal.

The CPU then judges normal temperature and cuts cooling fan operation.

The red LED indicates temperature monitor operation as follows:

● LED off: Normal temperatures
◎ LED flashes in 0.6 second interval:
Abnormal temperatures

Fig. 6 shows the temperature monitor flow chart.

5-3. Lamp replacement monitor

The lamp will require replacement during operation at some point. The yellow LED indicator will light up after 1,000 hours of use and recommend replacement.

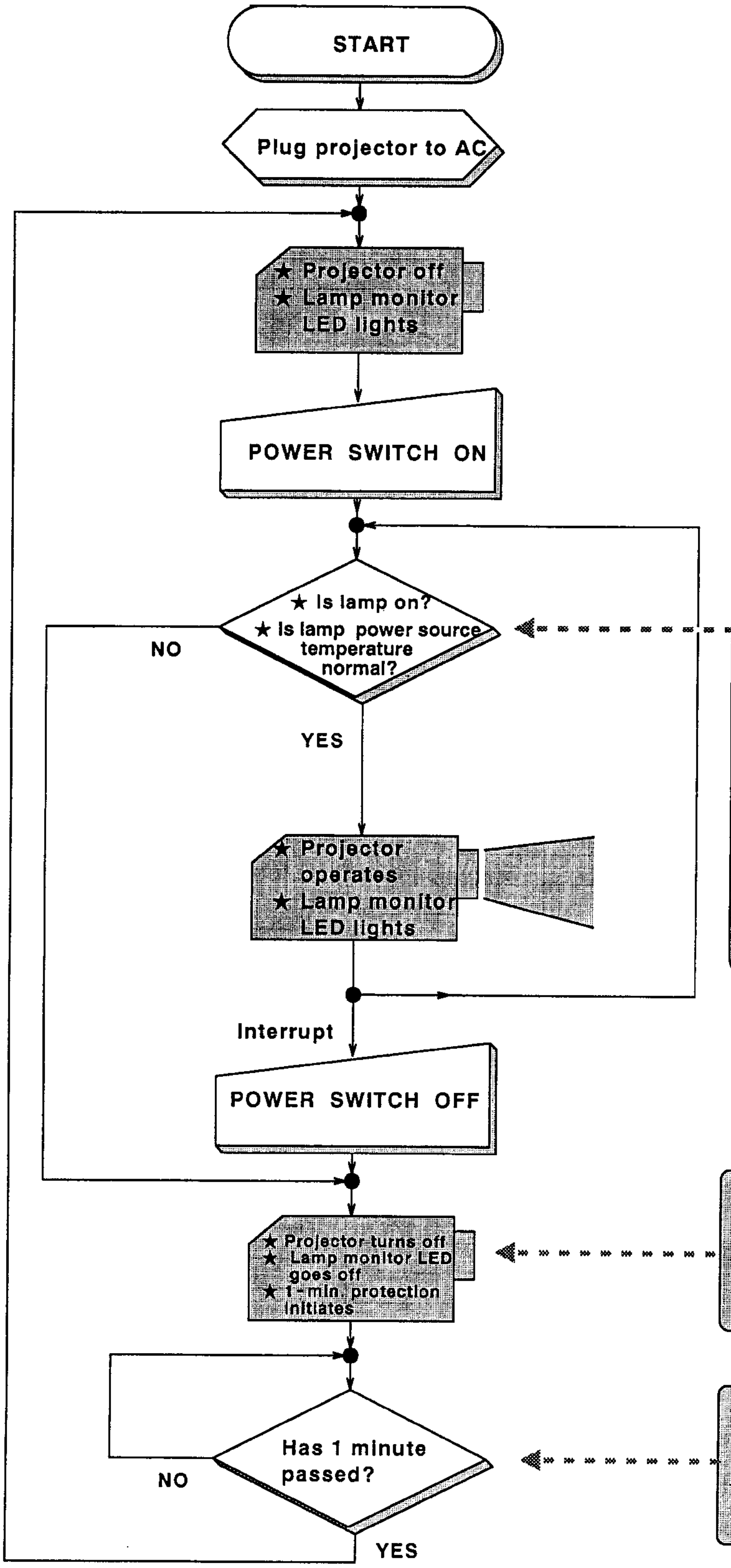
Usage time will be stored in non-volatile memory (IC807) by the CPU (IC801). Even when disconnected, this information is retained.

After lamp replacement, pressing the Reset switch at the bottom of the projector will return lamp usage time to 0. The Reset switch activates only when power is on.

When this switch is pressed, a "RESET" indication will appear onscreen. As the "RESET" indication cannot be recognized immediately after power on, the Reset switch can be operated only after the lamp has stabilized ("A MOMENT!" goes off). Make sure to confirm "RESET." The Reset switch should only be operated at lamp replacement.

For details, refer to LAMP REPLACEMENT procedure on page 18.

Fig. 5 Lamp monitor flow chart

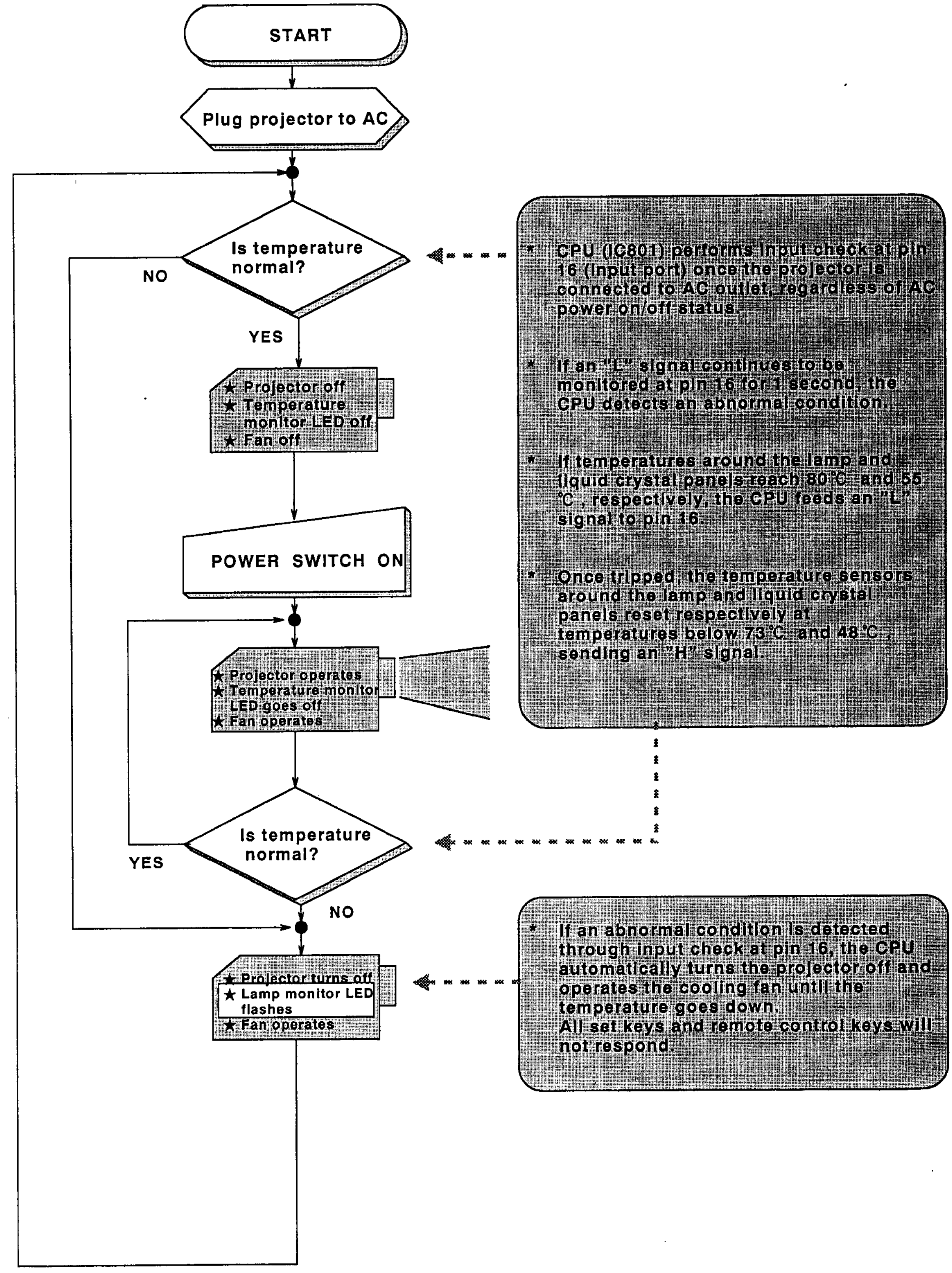

START
Plug projector to AC
★ Projector off
★ Lamp monitor LED lights
POWER SWITCH ON
★ Is lamp on?
★ Is lamp power source temperature normal?
NO
YES
★ Projector operates
★ Lamp monitor LED lights
Interrupt
POWER SWITCH OFF
★ Projector turns off
★ Lamp monitor LED goes off
★ 1-min. protection initiates
Has 1 minute passed?
NO
YES

- * While the lamp lights at power on, input check is performed at CPU (IC801) pin 15.
- * No check is performed for 3 seconds after power turn-on. Check starts after 3 seconds.
- * If an "H" signal continues to be monitored at CPU (IC801) pin 15 for 1 second, an abnormal condition is detected.
- * If the temperature of the lamp power source heat sink reaches 80°C, an "H" signal is fed to CPU (IC801) pin 15.
- * If the lamp does not light or is extinguished suddenly, an "H" signal is fed to CPU (IC801) pin 15.

CPU detects an abnormal condition by checking pin15, automatically turning the projector off and initiating 1-minute protection.

While the 1-minute protection mode is in operation, all set keys and remote control keys including Power On/Off switch will not respond. The cooling fan continues to operate.

Fig. 6 Temperature monitor flow chart


START
Plug projector to AC
Is temperature normal?
NO
YES
★ Projector off
★ Temperature monitor LED off
★ Fan off
POWER SWITCH ON
★ Projector operates
★ Temperature monitor LED goes off
★ Fan operates
Is temperature normal?
YES
NO
★ Projector turns off
★ Lamp monitor LED flashes
★ Fan operates

* CPU (IC801) performs input check at pin 16 (input port) once the projector is connected to AC outlet, regardless of AC power on/off status.

* If an "L" signal continues to be monitored at pin 16 for 1 second, the CPU detects an abnormal condition.

* If temperatures around the lamp and liquid crystal panels reach 80℃ and 55℃, respectively, the CPU feeds an "L" signal to pin 16.

* Once tripped, the temperature sensors around the lamp and liquid crystal panels reset respectively at temperatures below 73℃ and 48℃, sending an "H" signal.

* If an abnormal condition is detected through input check at pin 16, the CPU automatically turns the projector off and operates the cooling fan until the temperature goes down.
All set keys and remote control keys will not respond.

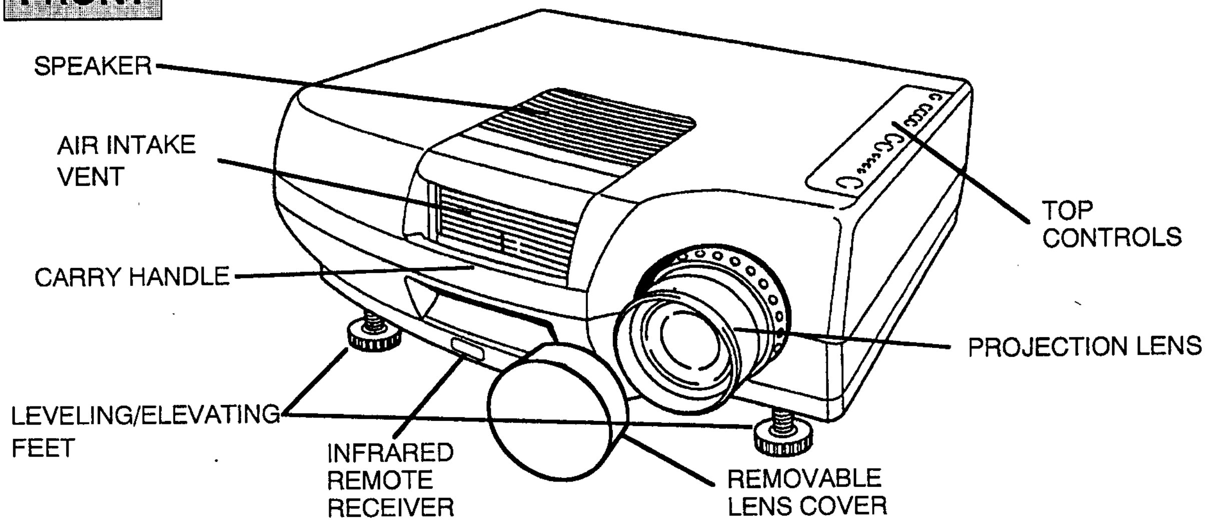
TECHNICAL SPECIFICATIONS

SPECIFICATIONS

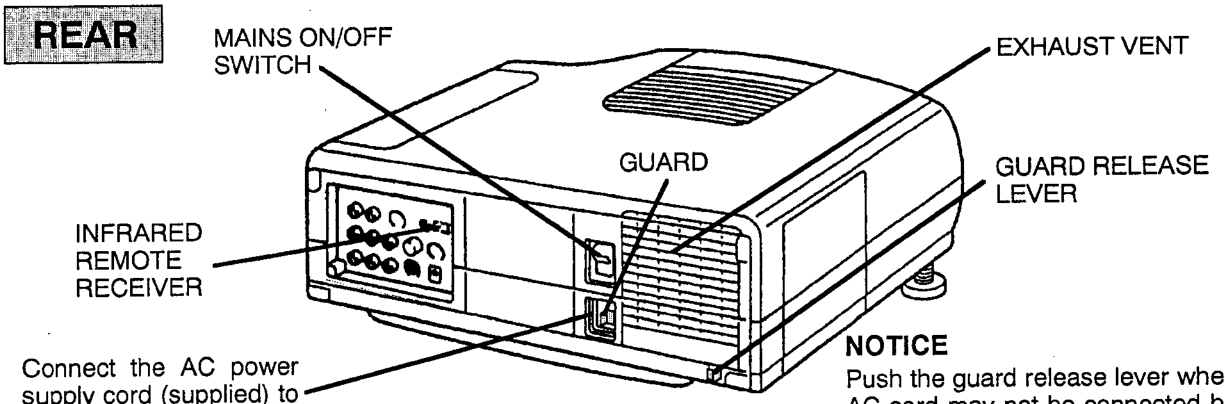
Projector Type	LCD Data Projector
Dimensions (H x W x D)	158 mm × 430 mm × 385 mm
Net Weight	24.2 lbs (11 kg)
LCD Panel System	1.3" TFT Active Matrix type (Thin Film Transistor) × 3
Number of Pixels	921,600 (307,200 × 3)
Color System	4 colour system (PAL, SECAM, NTSC4.43 and NTSC)
Projection Image Size (Diagonal)	76 cm to 762 cm (30 to 300 inch) Adjustable
Contrast Ratio	100 :1
Horizontal Resolution	550 TV lines
Projection Lens	f2.8 ~ 3.2 lens with 53 mm ~ 69 mm Manual zoom and focus
Lens Aperture	51.8 mm
Throw Distance	1.5 m ~ 12.0 m
Projection Lamp	Metal Halide, 200 watt type
Projection Mirror	Dichroic mirror system
AV Input jacks	PHONO Type × 1 (Video, Audio R and L), BNC Type × 1 and DIN 4 pin (S-Video) × 1
Computer Input Jack	HDB15 Terminal × 1, DIN 8 pin (Serial port)
Monitor Output Jack	HDB15 Terminal × 1
Computer Audio Input Jack	PHONO Type × 1 (R and L)
Video Monitor Output Jack	PHONO Type × 1
Audio Monitor Output Jacks	PHONO Type × 1 (R and L)
Other Jacks	EXT. Speaker Jack × 1, Wired Remote Jack × 1 and External Power Supply (+12V DC, 120mA)
Built-in Speaker	INT. SP. Monaural, 3 watt RMS (T.H.D. 10%)
Image Elevation Adjustment	Up 6°
Voltage	220-240V AC, 50/60 Hz
Power Consumption	285 Watts
Operating Temperature	5℃ ~ 35℃
Storage Temperature	− 10℃ ~ 60℃
Remote Control Battery	AA, UM3 or R06 type × 3
Standard Accessories	Remote Control Unit, R/C Cable 5' (1.5m), Software Kit, AC Power Supply Cord, VGA Cable, MAC Cable, Lens Cover , Owner's Instruction Manual and Protective Dust Cover

DESCRIPTION

FRONT


SPEAKER
AIR INTAKE VENT
CARRY HANDLE
LEVELING/ELEVATING FEET
INFRARED REMOTE RECEIVER
REMOVABLE LENS COVER
PROJECTION LENS
TOP CONTROLS

REAR


MAINS ON/OFF SWITCH
EXHAUST VENT
GUARD
GUARD RELEASE LEVER
INFRARED REMOTE RECEIVER

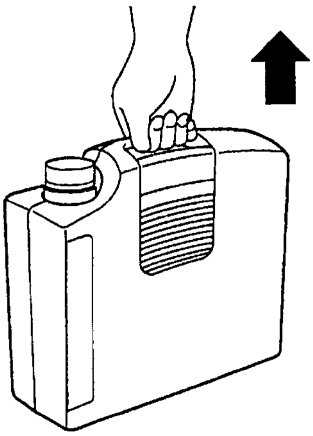
Connect the AC power supply cord (supplied) to the projector.

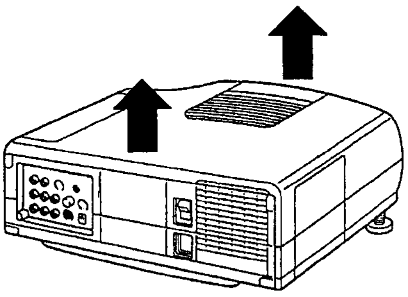
NOTICE
Push the guard release lever when the AC cord may not be connected by the guard.

MOVING THE PROJECTOR

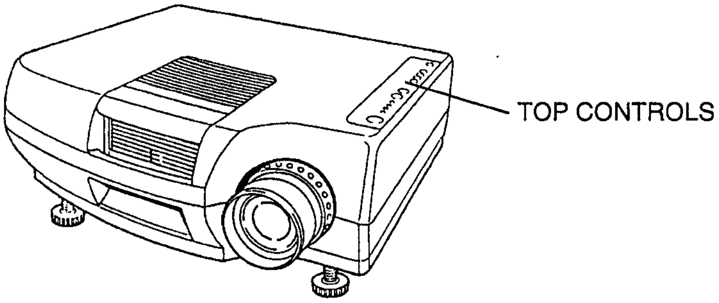
Use the carry handle when moving projector.
Replace the lens cover when moving the projector to prevent damage to the lens.

NOTE:
Do not hold the projector by the filter cover when moving.
You risk dropping the projector if the cover comes loose.

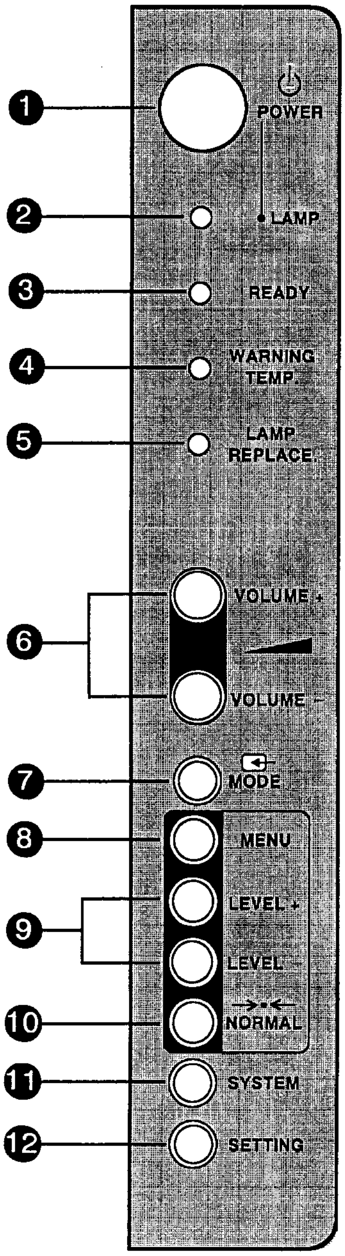




OPERATION OF CONTROLS



TOP CONTROLS



① POWER (LAMP) ON/OFF BUTTON
Used to turn projection lamp on or off.

② POWER INDICATORS
Lights dim when the projector is on.
Lights bright when the projector is stand-by position.

③ READY INDICATORS
Lights green when projector lamp is ready to be turned on.

④ TEMPERATURE WARNING INDICATOR
Flashes red when internal projector temperature is too high.

⑤ LAMP REPLACEMENT INDICATOR
Lights orange when projection lamp is nearing end of service life.

⑥ VOLUME BUTTONS
Used to adjust volume

⑦ MODE BUTTON
Used to select video source. (Computer Input or AV Input)

⑧ MENU BUTTON
- Computer Mode
  Used to select on-screen adjustment displays for brightness, contrast, horizontal position, vertical position, fine sync and memory. Press repeatedly to cycle.
- AV Mode
  Used to select on-screen adjustment displays for color, tint, contrast, brightness and sharpness. Press repeatedly to cycle.

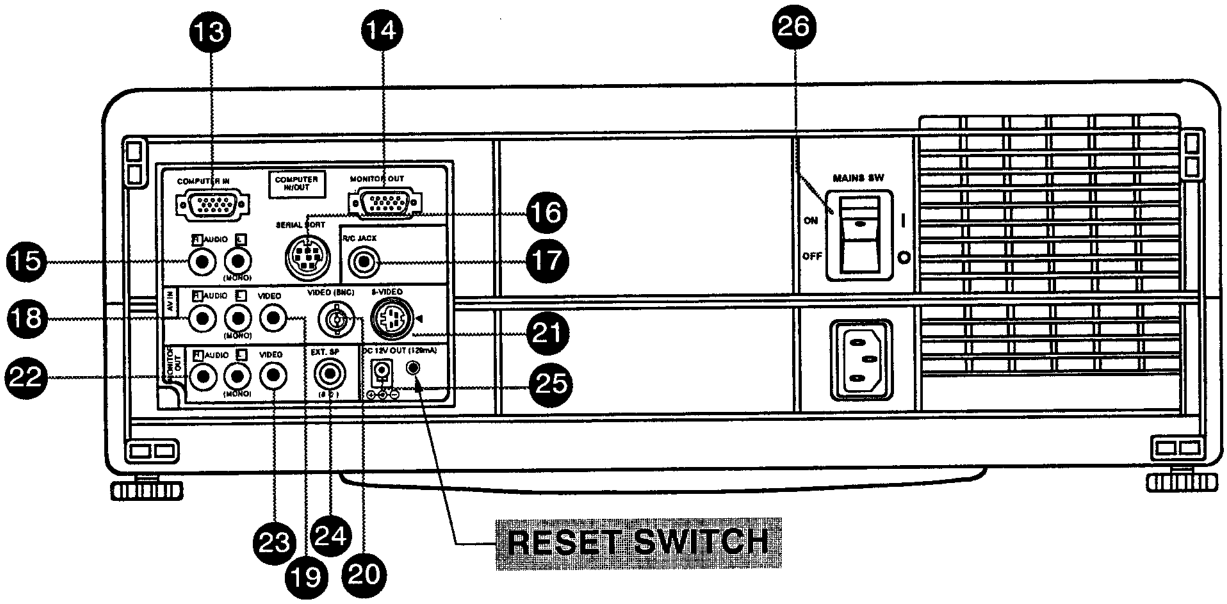
⑨ LEVEL CONTROL BUTTONS
- Computer Mode
  Used to adjust brightness, contrast, horizontal position, vertical position, fine sync, memory, display, blue background, reverse R/L and reverse T/B by pressing + or – button.
- AV Mode
  Used to adjust color, tint, contrast, brightness, sharpness, display, blue background, reverse R/L and reverse T/B by pressing + or – button.

⑩ NORMAL BUTTON
Used to reset to normal picture adjustment preset by factory.

⑪ SYSTEM BUTTON
- Computer Mode
  Used to select computer system.
- AV Mode
  Used to select color system.

⑫ SETTING BUTTON
Used to select on-screen adjustment displays for focus setting pattern, display, blue background, reverse R/L and reverse T/B.
Press repeatedly to cycle.

BACK OF THE PROJECTOR


⑬
⑭
㉖
⑯
⑮
⑰
⑱
㉑
㉒
㉕
COMPUTER IN
COMPUTER IN/OUT
MONITOR OUT
SERIAL PORT
R/C JACK
R AUDIO L
(MONO)
AV IN
VIDEO
VIDEO (BNC)
S-VIDEO
MONITOR OUT
EXT. SP
(8 Ω)
DC 12V OUT (120mA)
MAINS SW
ON
OFF
I
O
㉓
㉔
⑲
⑳
RESET SWITCH

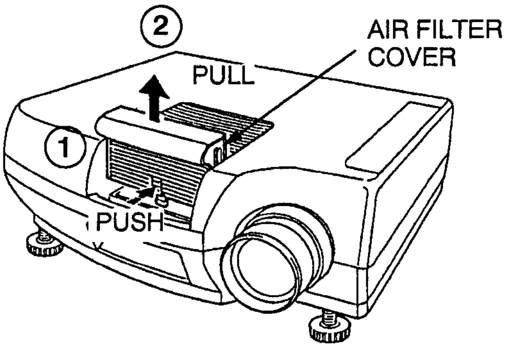
⑬ COMPUTER INPUT TERMINAL
Used to connect a computer to the projector.
⑭ MONITOR OUTPUT TERMINAL
Used to connect a monitor to the projector.
⑮ COMPUTER AUDIO INPUT JACKS
Used to connect a computer audio input to the projector.
⑯ SERIAL PORT CONNECTOR
Used to connect a computer to the projector.
⑰ WIRED REMOTE JACK
When using the wired remote control, connect the remote cable to this jack.
⑱ AUDIO INPUT JACKS
Used to connect an audio input to the projector.
⑲ VIDEO INPUT JACK
Used to connect a video source to the projector.
⑳ VIDEO INPUT (BNC) JACK
Used to connect a video source to the projector.
㉑ S-VIDEO INPUT JACK
Used to connect a S-VHS video source to the projector.
㉒ AUDIO MONITOR OUTPUT JACKS
Permits audio connection to a monitor.
㉓ VIDEO MONITOR OUTPUT JACK
Permits video connection to a monitor.
㉔ EXT. SP. JACK (3.5 mm mini type)
Used to connect a external monaural speaker system.
㉕ DC 12V SOURCE
Used to connect a DC source (12V, 120mA) for other equipment.
㉖ MAINS ON/OFF SWITCH
Used to turn the projector on.

AIR FILTER CARE AND CLEANING

The removable air filter prevents dust from accumulating on the surface of the projection lens and projection mirror. Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat built up and reduce the life of the projection lamp.

The air filter should be cleaned about every 100 hours. Clean the air filter more often when the projector is used in a particularly dusty or smoky place.
When the air filter is blackened and beyond cleaning, it is time to change new air filter. Request service from an authorized dealer or service station.
Be sure to face the air filter in the correct direction when installing inside of the filter cover. Attach the air filter with the arrow on the "AIR FLOW" label facing towards the inside of the projector.

To clean the air filter, follow the cleaning procedures below:
1. Turn the POWER (LAMP) ON/OFF button OFF.
2. Remove the air filter cover from the side of the projector.
3. Remove the air filter and sponge from the filter cover.
4. Clean the air filter and sponge with a vacuum cleaner.
5. Replace the air filter and sponge. Make sure that air filter cover is fully inserted.



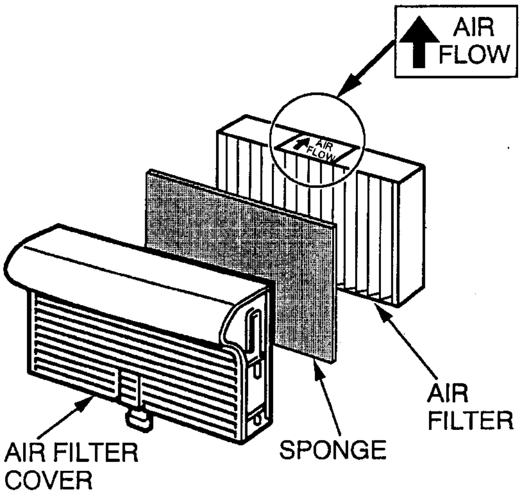
Do not clean with water. Doing so may damage the air filter.
Do not operate the projector with air filter removed.

RECOMMENDATION

TO ENJOY PICTURE IMAGE, USE THE PROJECTOR IN THE CLEAN ENVIRONMENT. USAGE IN THE CLEAN ENVIRONMENT IS RECOMMENDED.

When used under the dusty or smoky conditions, dust may accumulate on the liquid crystal panel and lens inside it, and may resultantly be projected on the screen together with the picture.

When the above symptoms are noticed contact the place where your purchased or the nearest service center for the cleaning.



LAMP REPLACEMENT & TEMPERATURE WARNING INDICATORS

LAMP REPLACEMENT INDICATOR

When the lamp nears the end of its service life, the picture quality and color quality will deteriorate and the lamp replacement indicator will light orange.

DO NOT ATTEMPT TO REMOVE OR CHANGE THE PROJECTION LAMP. THE LAMP CAN ONLY BE CHANGED BY QUALIFIED SERVICE PERSONNEL.

TEMPERATURE WARNING INDICATOR

The TEMPERATURE WARNING INDICATOR flashes red when the internal temperature of the projector exceeds the normal temperature.
Possible causes for the temperature warning may be:
1. Ventilation slots at the front or rear of the projector are blocked. In such an event, reposition the projector so that ventilation slots are not obstructed.

2. Air filter is clogged with dust particles. Remove dust from the air filter by following instructions in the Air Filter Care and Cleaning section above.
   If temperature warning indicator remains on after performing the checks listed above, cooling fan/internal circuits may be malfunctioning. Request service from an authorized dealer or service station.

COMPATIBLE PERSONAL COMPUTER SPECIFICATIONS

ON-SCREEN DISPLAY	COMPATIBLE COMPUTER	DOT × LINES	fH (kHz)	1V (LINE)	POLA	
					H	V
FMT 640 × 400	FM-TOWNS (640 × 400)	640 × 400	24.37	440	−	−
PC98 640 × 400	PC-9801 (640 × 400)	640 × 400	24.83	440	−	−
	PC-9821 (640 × 400)	640 × 400	24.83	440	−	−
AT&T	AT&T6300 (350 LINE)	640 × 350	25.86	432	+	+
	AT&T6300 (400 LINE)	640 × 400	25.86	432	+	+
AX286/386	AX-286/386	640 × 480	30.27	501	+	−
VGA 640 × 400	VGA 640 × 400	640 × 400	31.47	449	−	+
VGA 720 × 400	VGA 720 × 400	720 × 400	31.47	449	−	+
VGA 640 × 350	VGA 640 × 350	640 × 350	31.47	449	+	−
VGA 640 × 480	VGA 640 × 480	640 × 480	31.47	525	−	−
	PC-9821 (640 × 480)	640 × 480	31.47	525	−	−
	FM-TOWNS (640 × 480)	640 × 480	31.47	525	−	−
	MBC-P100J	640 × 480	31.47	525	−	−
	J-3100VS	640 × 480	31.47	525	−	−
	T-4500C	640 × 480	31.32	525	−	−
GENOA	GENOA 6000 (60 Hz)	640 × 480	31.47	525	−	−
VGA 640 × 400 525 LINE	VGA 640 × 400 525 LINE	640 × 400	31.47	525	−	+
VGA 640 × 350 525 LINE	VGA 640 × 350 525 LINE	640 × 350	31.47	525	+	−
MAC Ⅱ NORMAL	MAC Ⅱ (NORMAL)	640 × 480	35.00	525	−	+
	MAC Ⅱ (SuperMac)	640 × 480	35.00	525	−	+
	MAC Ⅱ (RasterOps)	640 × 480	35.00	525	−	+
MAC LC 13RGB	MAC LC (13"RGB-MO)	640 × 480	34.97	525	−	−
VESA	VESA VS901001	640 × 480	37.86	520	−	−
GENOA	GENOA 6000 (70 Hz)	640 × 480	37.90	509	−	+

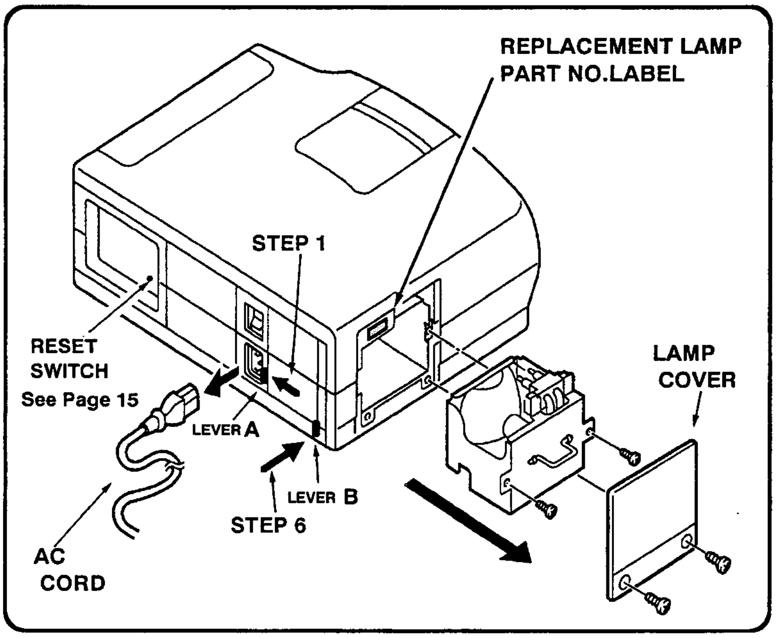
Specifications are subject to change without notice.

【 LAMP REPLACEMENT 】

WARNING
THIS LAMP IS OPERATED UNDER HIGH PRESSURE.
FOR CONTINUED SAFETY, REPLACE WITH A LAMP OF THE PART NO. 610 264 1196.
UNPLUG THE PROJECTOR FROM THE POWER OUTLET BEFORE THE PROJECTION LAMP IS REPLACED.
DO NOT ATTEMPT TO CHANGE A HOT LAMP.
BE CAREFUL NOT TO TOUCH THE LAMP OR MIRROR WITH OILY FINGERS.

BEFORE LAMP REPLACEMENT

To prevent operator injury, the lamp cover is locked. Unless the AC cord is disconnected from the projector and the lock disengaged by pressing the lock release lever, the lamp cover will not disconnect even if the screws have been removed. Replace the lamp following the procedure below.



1. Disconnect the AC cord from the projector and push the lock release lever "A" in the direction of the arrow. (The locking lever "B" emerges to disengage the lamp cover lock.)
2. Remove 2 screws and disconnect the lamp cover. (Note: The lamp cover cannot be disconnected unless the lock is disengaged in step 1 above.)
3. Remove 2 screws and pull out the lamp assembly by gripping the handle.
4. Replace the lamp assembly.
5. Tighten 4 screws to secure the lamp cover to the lamp assembly.
6. Push the locking lever "B" in the direction of the arrow (forward). The lock release lever "A" will now return to its original position, locking the lamp cover.
7. Connect the detachable AC cord to the projector.
8. Reset the lamp replacement monitor timer.

8-1. Plug the projector into an AC outlet and switch the power on.
8-2. Wait for about 30 seconds until the "A MOMENT!" indication goes off.
8-3. Press the Reset switch for two seconds. "RESET" will appear on the screen and go off after a few seconds. The timer has now reset.

RECOMMENDATION

Should the air filter become clogged with dust particles, it will reduce the cooling fan's effectiveness and may result in internal heat build up and short lamp life. We recommend cleaning the air filter after the projection lamp is replaced.
Refer to AIR FILTER CARE AND CLEANING on the page 16.

HOW TO CHECK THE LAMP ILLUMINATION TIME

1. Checking procedure
   With the projector in operating mode (synchronize picture view condition), press the LEVEL "+" or " – " button for 30 seconds; four red alphabets will appear on the screen for 5 seconds.

BMFL

2. Calculation of illumination

$$\text{ILLUMINATION TIME} = 1000 - \frac{8 \times (B \times 4096 + M \times 256 + F \times 16 + L)}{60}$$

Note: If the RESET button is pressed, the data of illumination time will be initialized.

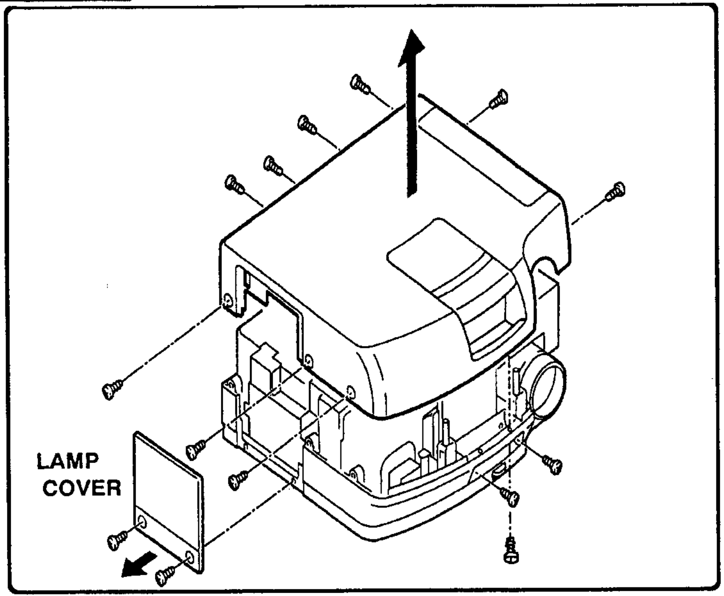
3. Alphabet – number conversion table

A --- 0 B --- 1 C --- 2 D --- 3 E --- 4 F --- 5 G --- 6 H --- 7 I --- 8
J --- 9 K --- 10 L --- 11 M --- 12 N --- 13 O --- 14 P --- 15

4. Calculation example

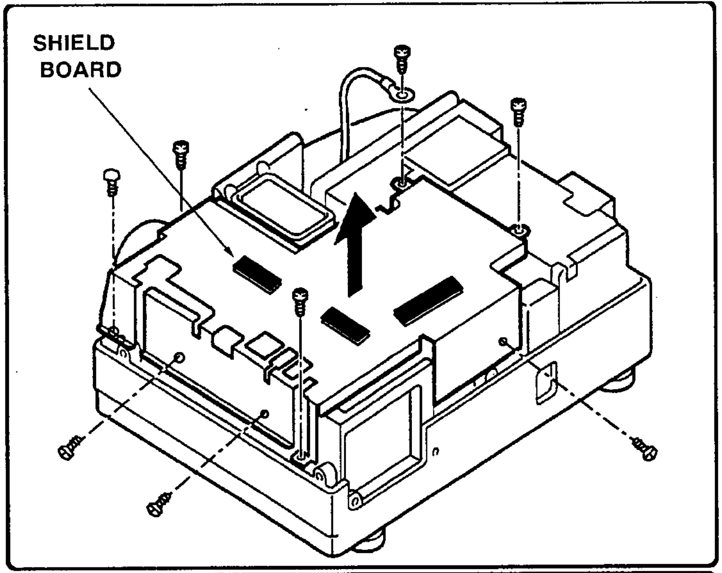
$$1000 - \frac{8 \times (1 \times 4096 + 12 \times 256 + 5 \times 16 + 11)}{60} \fallingdotseq 32$$

Approx. 32 hour of illumination



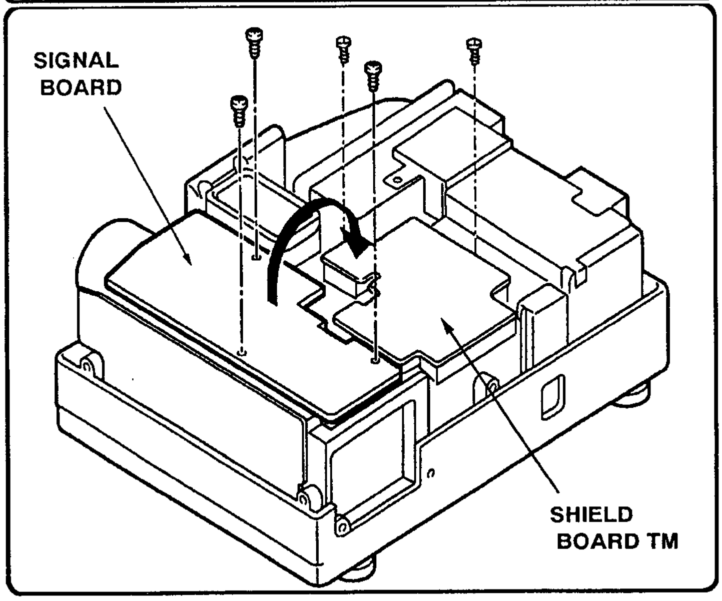
[1] TOP CABINET REMOVAL

1. Remove lamp cover. (Refer to LAMP REPLACEMENT procedure on page 18.)
2. Remove 3 front screws, 4 rear screws and 5 side screws of the top cabinet.
3. Grip the two sides, pull the top cabinet upward and remove.



[2] SHIELD BOARD REMOVAL

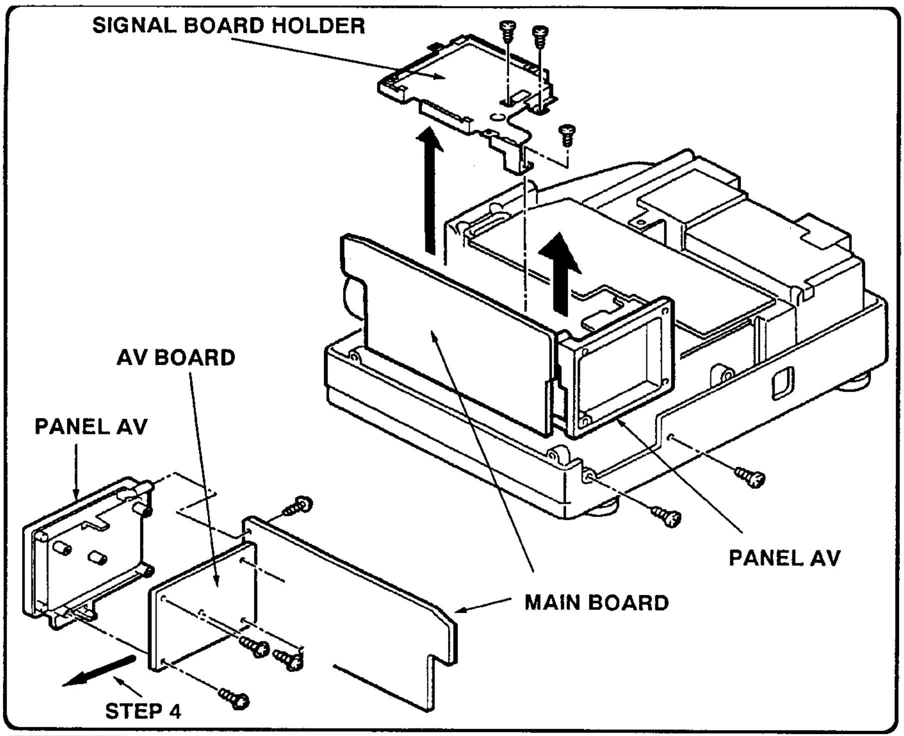
Remove 8 screws and disconnect the shield board.



[3] SIGNAL BOARD REMOVAL

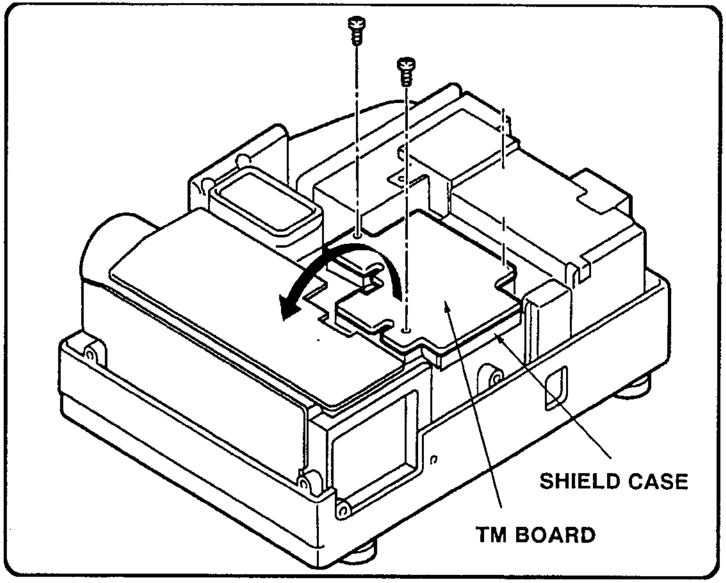
1.Remove 2 screws and disconnect the Shield Board TM.

2. Remove 3 screws and turn the signal board 180 in the direction of the arrow.


SIGNAL BOARD HOLDER
AV BOARD
PANEL AV
PANEL AV
MAIN BOARD
STEP 4

[4]MAIN & AV BOARD REMOVAL

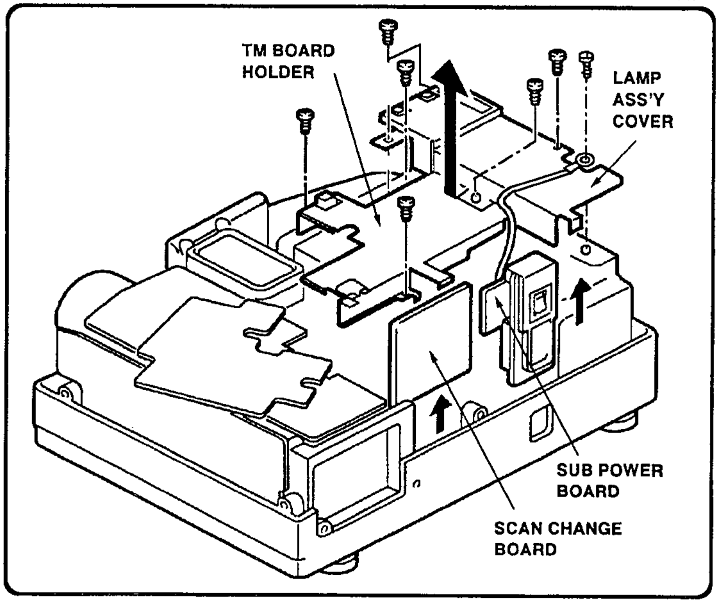
1. Remove 3 screws and disconnect the signal board holder.
2. Remove 2 screws.
   Hold the main board and AV board and pull upward to remove.
3. Remove 4 screws and disconnect the Panel AV.
4. Pull the AV board in the direction of the arrow and disconnect the main board.


SHIELD CASE
TM BOARD

[5] TM BOARD REMOVAL

1. Remove 2 screws and turn the TM board 180 in the direction of the arrow.

2. Remove Shield case.


TM BOARD HOLDER
LAMP ASS'Y COVER
SUB POWER BOARD
SCAN CHANGE BOARD

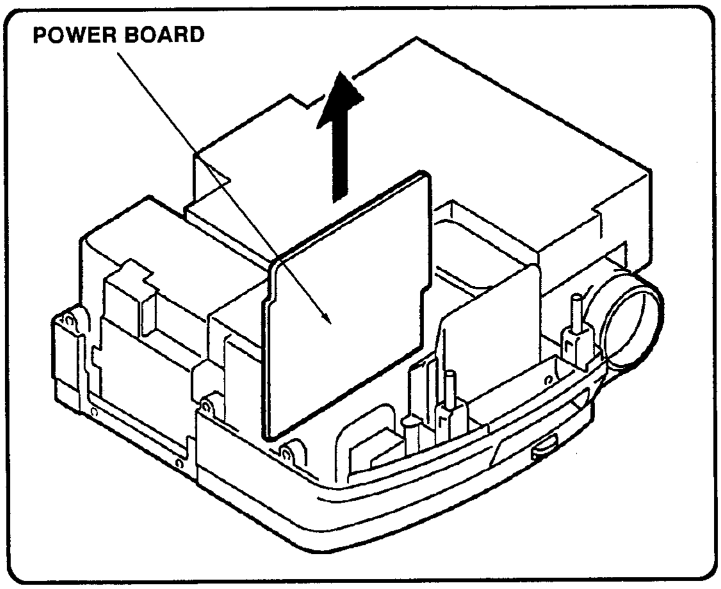
[6] SUB POWER BOARD & SCAN CHANGE BOARD REMOVAL

1. Remove 3 screws and disconnect the TM board holder.

2. Remove 4 screws and disconnect the Lamp ass'y cover.

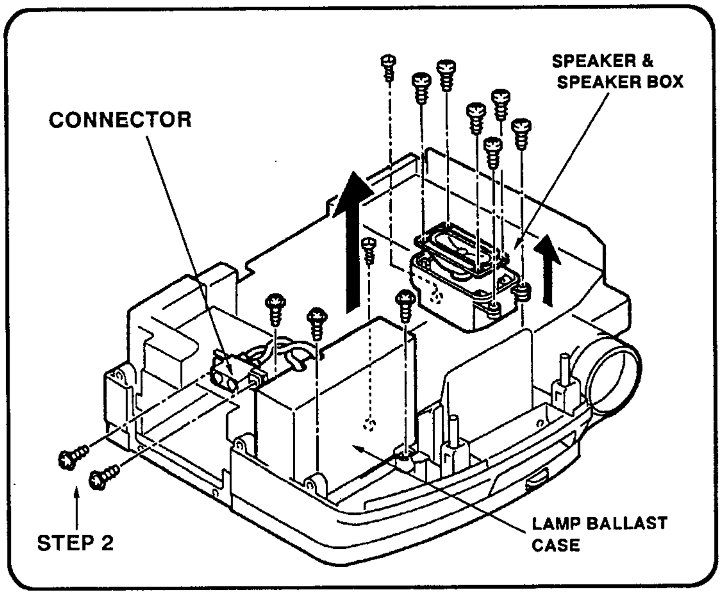
3. Pull the sub power board upward to remove.

3. Pull the Scan change board upward to remove.


POWER BOARD

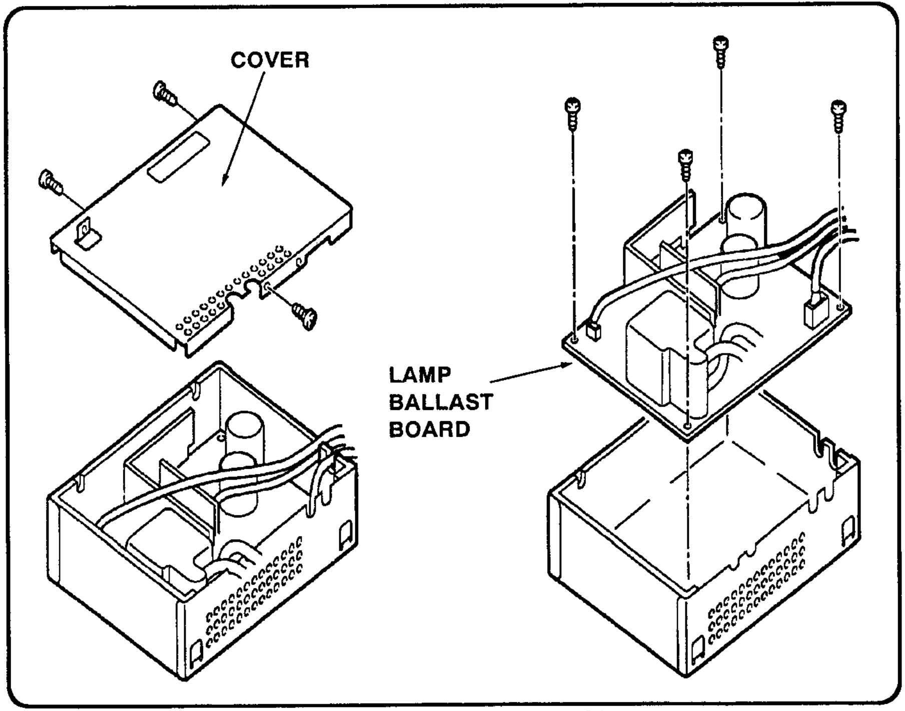
[7] POWER BOARD REMOVAL

Pull the power board upward to remove.


CONNECTOR
SPEAKER & SPEAKER BOX
STEP 2
LAMP BALLAST CASE

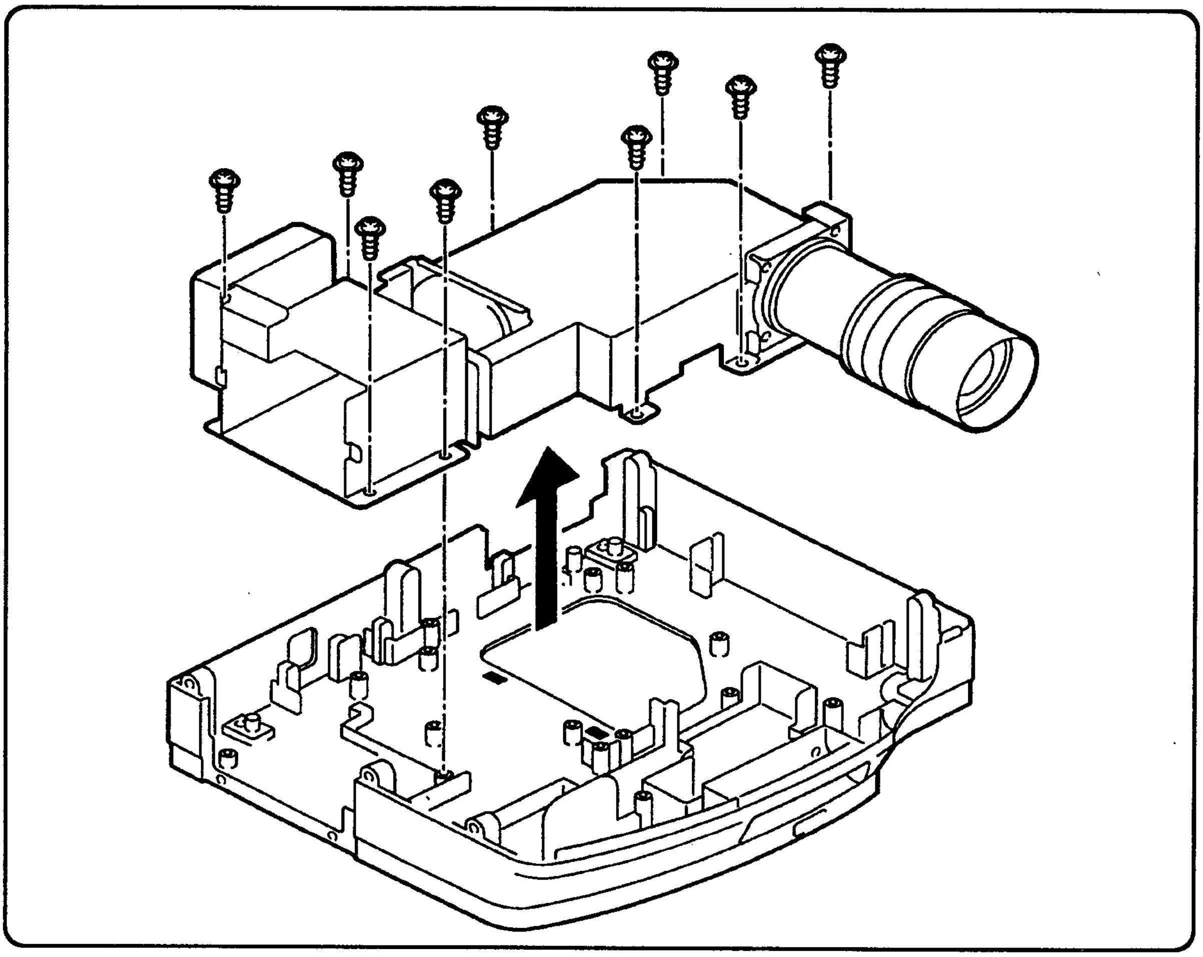
[8] LAMP BALLAST CASE & SPEAKER REMOVAL

1. Remove 4 screws and disconnect the lamp ballast case
2. Remove 2 screws and disconnect the connector from the lamp ballast board.
3. Remove 7 screws and disconnect the Speaker & Speaker Box


COVER
LAMP BALLAST BOARD

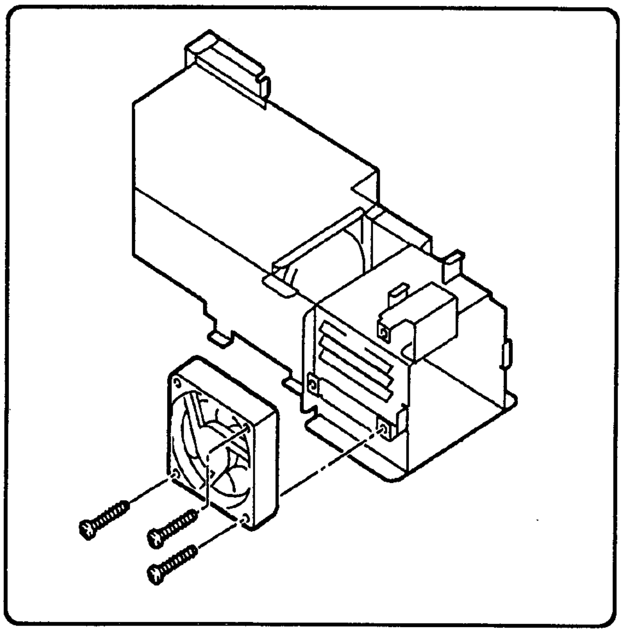
[9] LAMP BALLAST BOARD REMOVAL

1. Remove 3 screws then pull out the cover and remove.
2. Remove 4 screws on the corner of the lamp ballast board
3. Remove the lamp ballast board from the case.



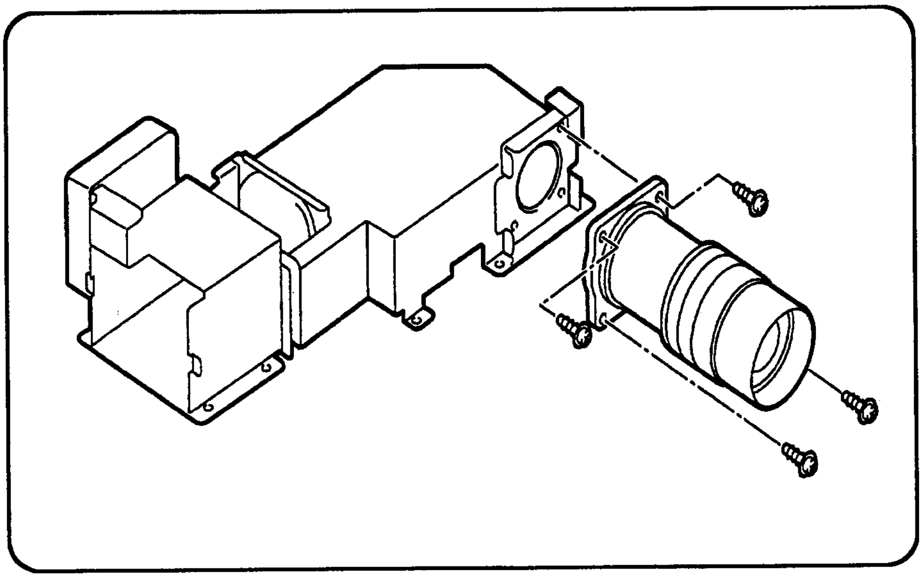
[10] CHASSIS REMOVAL

Remove 9 screws and pull the chassis upward to remove.

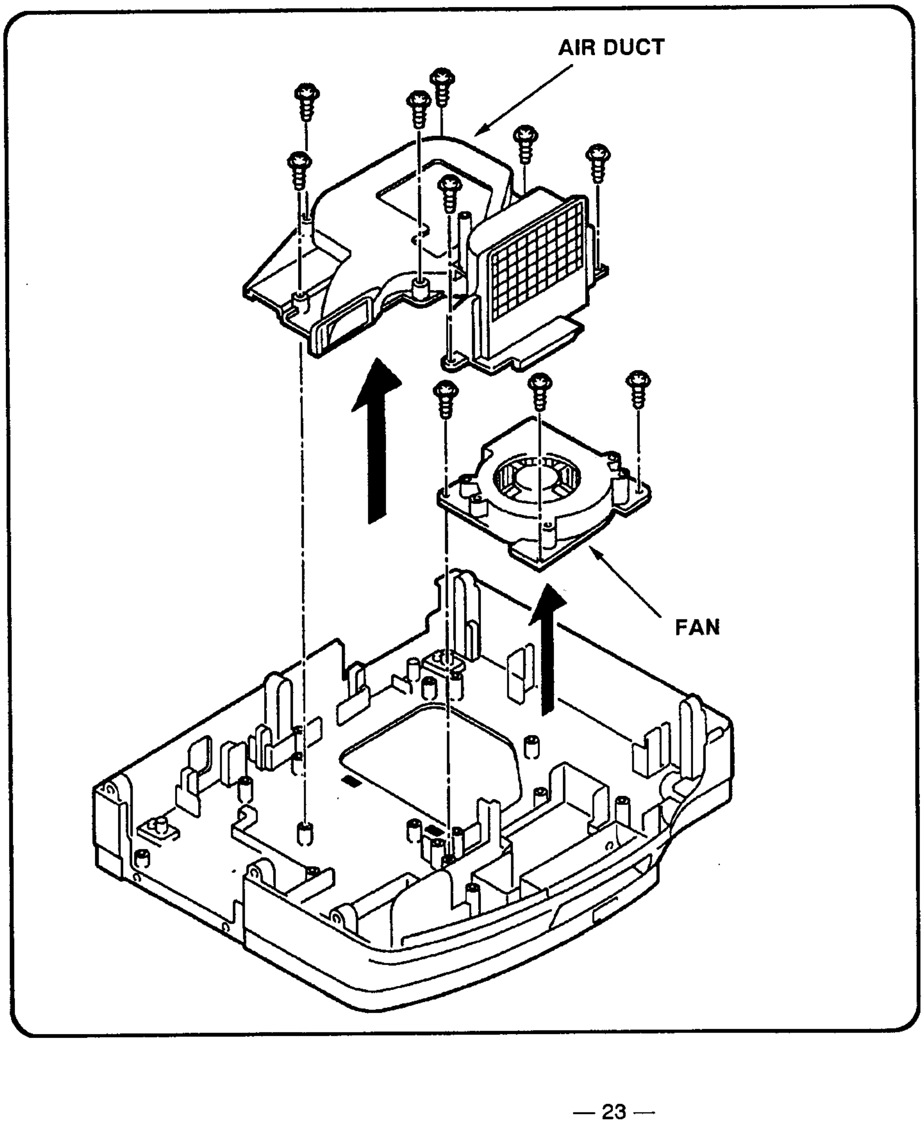


[11] FAN REMOVAL

Remove 3 screws and disconnect the fan.



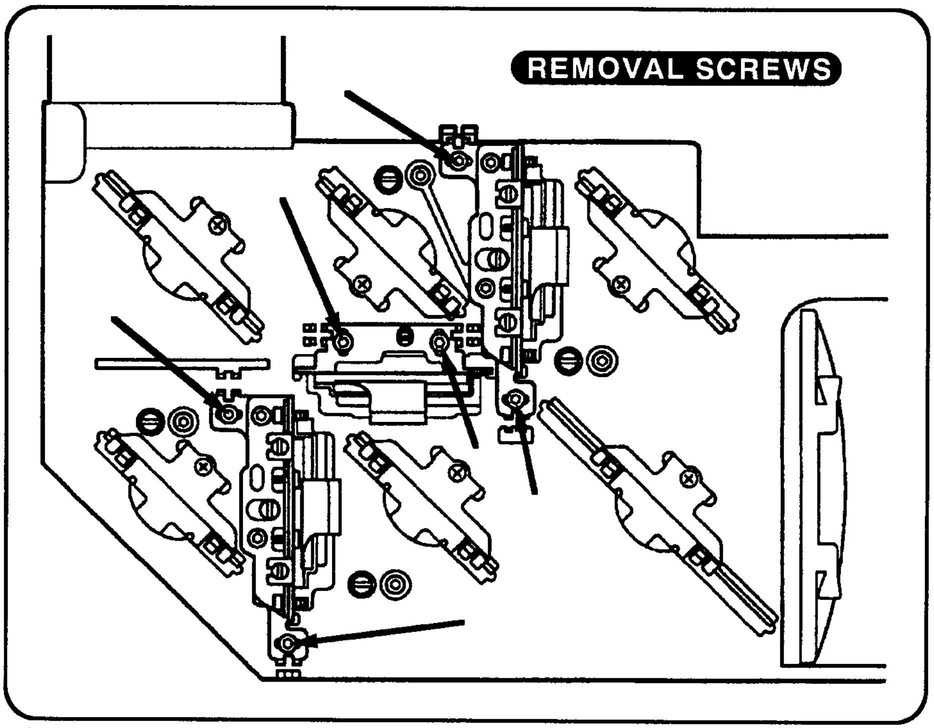
[12] Remove 4 screws securing the lens and pull it forward to remove.



[13] AIR DUCT & FAN REMOVAL

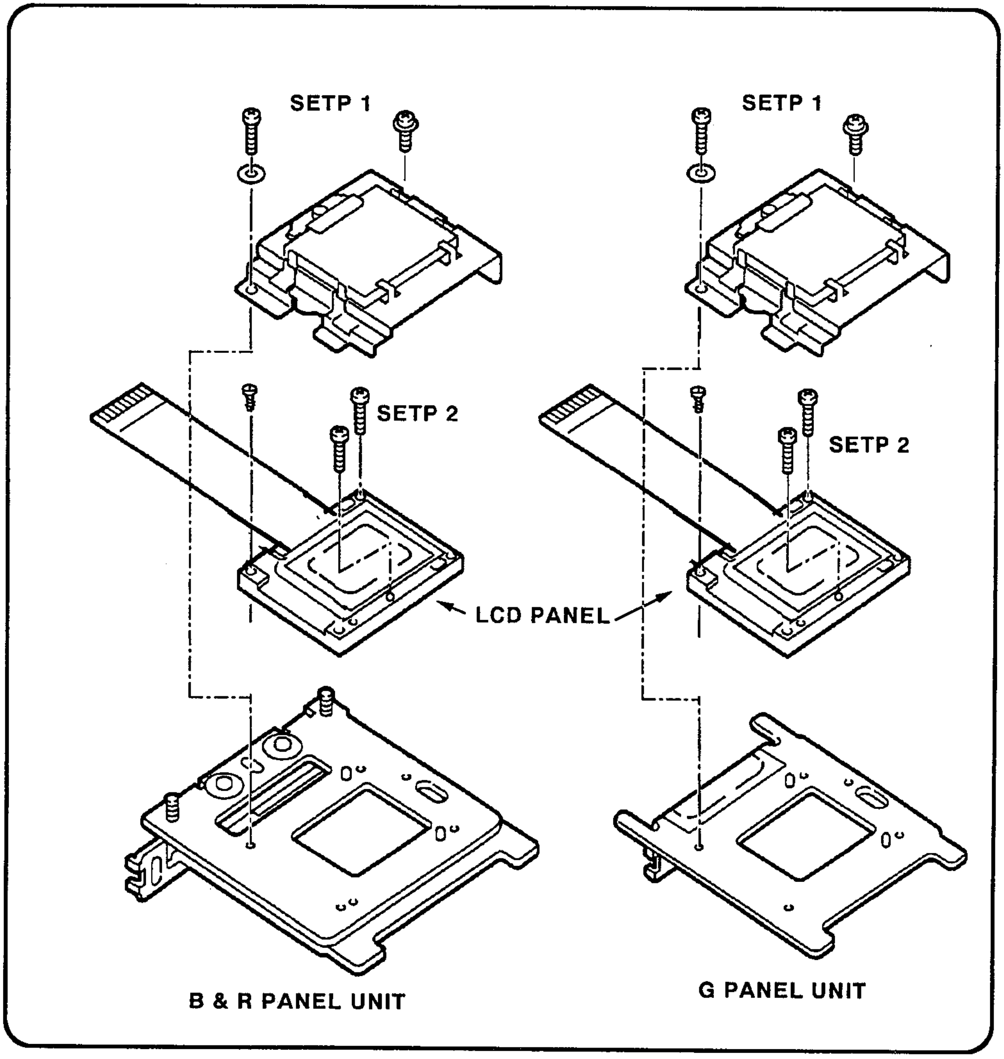
1. Remove 7 screws and disconnect the air duct.
2. Remove 3 screws and disconnect the fan.

【 LCD PANEL REPLACEMENT 】


REMOVAL SCREWS

LCD PANEL UNIT REMOVAL

1. Remove the FPC.
2. Remove 2 screws securing the panel unit.
3. Pull out the panel unit.


SETP 1
SETP 1
SETP 2
SETP 2
LCD PANEL
B & R PANEL UNIT
G PANEL UNIT

LCD PANEL REPLACEMENT

1. Remove 2 screws and disconnect 2 polarizing glass plates.
2. Remove 2 screws, disconnect the liquid crystal panel and replace it.
3. Assemble the panel unit.

[FOCUS ADJUSTMENT]

Before adjustment,

For adjusting focus, first adjust the G (green) liquid crystal panel unit as the standard reference. Adjust the red panel unit position so that the bottom of the screen will not go out of focus by zooming. Then bring the focus of top and bottom sections of the B (blue) and R (red) screens into sharp focus by adjusting the position of their panel units.

input a computer signal (e.g. flat pattern) in which the R, G, and B dots are easily distinguishable.

Adjustment requires a Phillips screwdriver, slot screwdriver and 2.5mm hex wrench.

G Panel Focus Adjustment

1. Switch the projector on and project the adjustment pattern on the screen.
2. Insert paper, etc. in R panel and B panel to block the R and B light so that only G light is projected.
3. Turn the zoom ring of the projection lens to the "Tele" position (to reduce image size) and turn the focus ring of the projection lens until the bottom section of the screen is in sharp focus.
4. Turn the zoom ring to "Wide" position (to increase image size) and confirm that the screen remains in focus. If it is in sharp focus, adjustment is complete. If not, follow the steps below.
5. Loosen the screws "A" and "B" (Fig.1) with the 2.5mm hex wrench.
6. Insert the slot type screwdriver in the slits "C" and "D" (Fig.1) and gently turn the screwdriver until the left and right sections of the screen are in sharp focus.
7. Tighten the screws "A" and "B" (previously loosened in step 5) and securely attach the panel unit.
8. Turn the zoom ring to the "Tele" position and check to see if sharp focus is retained. If in sharp focus, adjustment is complete. If not, repeat steps 3 to 8 above.

R & B Panel Focus Adjustment

[Before performing this adjustment, make sure G focus adjustment is complete.]

1. Switch the projector on and project the adjustment pattern on the screen.
2. Block unnecessary light by inserting paper, etc. in the panel so that only the R (or B) light is projected.
3. Insert the 2.5mm hex wrench in holes "e" and "f" and loosen the screws "E" and "F" (Fig. 1).
4. Insert the slot type screwdriver through holes "g" and "h" into the slits "G" and "H" and gently turn the screwdriver until the top right and left sections of the screen are in sharp focus.
5. Tighten the screws "E" and "F" (previously loosened in step 3 above) to securely attach the panel unit.
6. Loosen the screws "I" and "J" (Fig.1) with the 2.5mm hex wrench.
7. Insert the slot screwdriver in the slits "K" and "L" (Fig.1) and gently turn the screwdriver until the bottom left and right sections of the screen are in sharp focus.
8. Tighten the screws "I" and "J" (previously loosened in step 6) to securely attach the panel unit.
9. Compare the projected image with the G panel image. If the sizes of both images coincide with each other, adjustment is complete. If not, follow the steps below. (Change the input signal to a grid or similar pattern that facilitates easier size comparison.)
10. Project only the G panel and slightly adjust the lens focus to reduce the image size. Make sure that the surrounding area does not go out of focus.
11. Repeat from step 3 on.

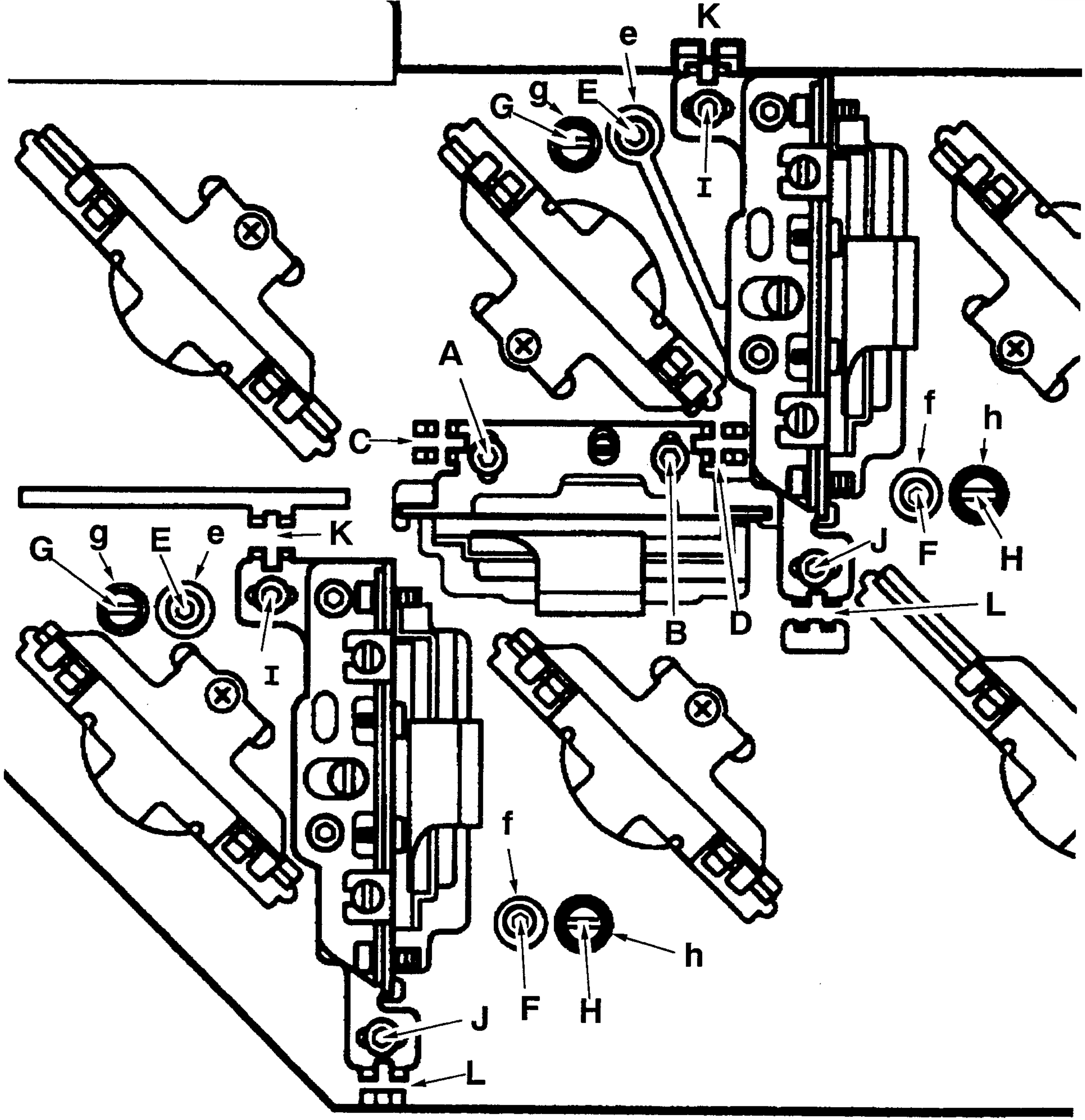
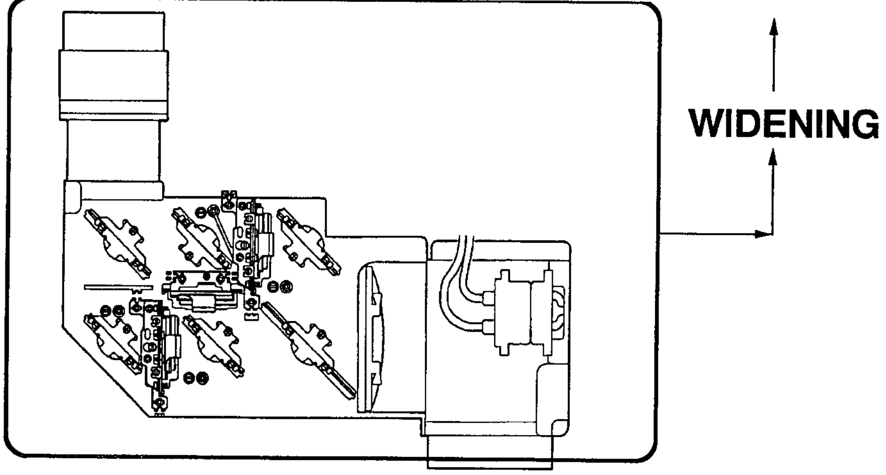

K
e
G
g
E
I
A
C
f
h
J
F
H
B
D
L
G
g
E
e
K
I
f
h
F
H
J
L

FIG 1. FOCUS ADJUSTMENT

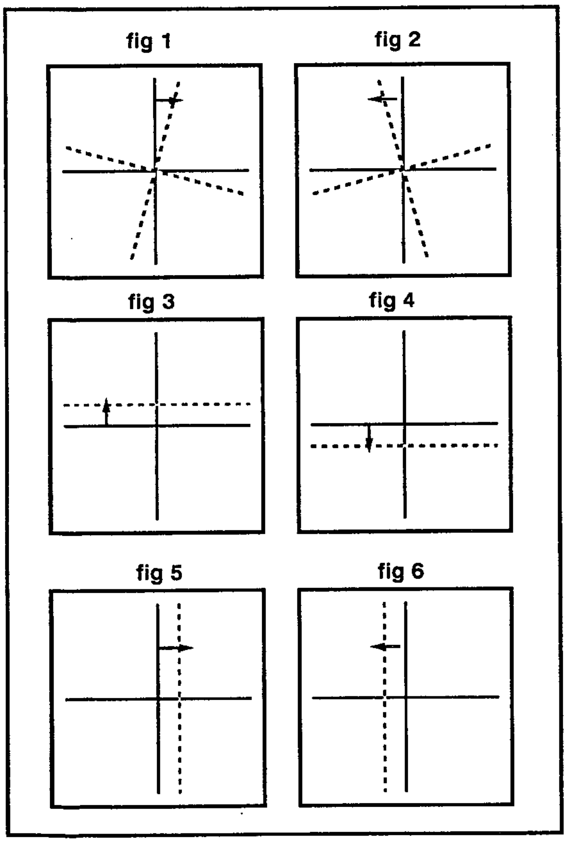


Before Adjustment

Use a grid pattern for adjustment. First make a rough adjustment using a video signal and then fine adjust by using a computer signal.

Image Movement According to Adjustment Screw Turning Direction

1. Simultaneously turning the convergence adjustment screw "C" clockwise and "B" counterclockwise turns the image clockwise. (Fig. 1)
   Simultaneously turning adjustment screw "C" counterclockwise and "B" clockwise turns the image counterclockwise. (Fig. 2)
2. Simultaneously turning adjustment screws "B" and "C" clockwise moves the image up. (Fig. 3)
   Simultaneously turning adjustment screws "B" and "C" counterclockwise moves the image down. (Fig.4)
3. Turning adjustment screw "D" clockwise moves the image right. (Fig. 5)
   Turning adjustment screw "D" counterclockwise moves the image left. (Fig. 6)



Adjustment

For convergence adjustment, use G (green) as the reference standard. Align R (red) and B (blue) with G by adjusting the position and angle of the R and B liquid crystal panels. Screws "B," "C" and "D" are for convergence adjustment.

R/B Panel Adjustment:

1. Switch the projector on and project a video signal (grid pattern) on the screen.
2. Insert paper, etc. into R (or B) panels to block the R (or B) light.
3. Loosen the 4 screws "A" (Fig.7) using the 2.5mm hex wrench.
4. Using the screws "B" and "C", align so that the R (or B) grid pattern vertical center line is parallel to the G grid pattern vertical center line. (Fig. 1 or 2)
5. Turn the screws "B" and "C" in the same direction to align the R (or B) horizontal center line on top of the G horizontal line. (Fig. 3 or 4)
6. Repeat steps 4 and 5 until the R (or B) horizontal line is aligned exactly on top of the G horizontal line.
7. Using the screw "D," align the R (or B) vertical center line on top of the G vertical line. (Fig.5 or 6)
8. By repeating steps 4 through 7, align the R (or B) grid pattern on top of the G grid pattern.
9. Input a computer signal (grid signal) and check the convergence in fine sync'd condition (grid vertical line is most clear). If not aligned, repeat steps 4 through 9.
10. Tighten the four screws "A" (previously loosened in step 3 above) with the 2.5mm hex wrench.
11. After tightening the screws, check convergence. If not aligned, repeat steps 2 through 10 above.

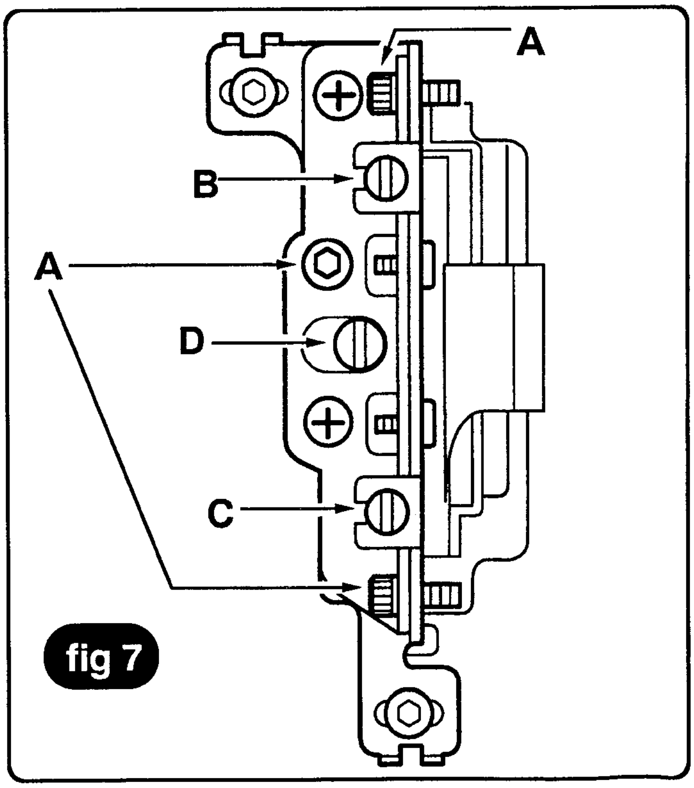


fig 7

【 CLEANING METHODS 】

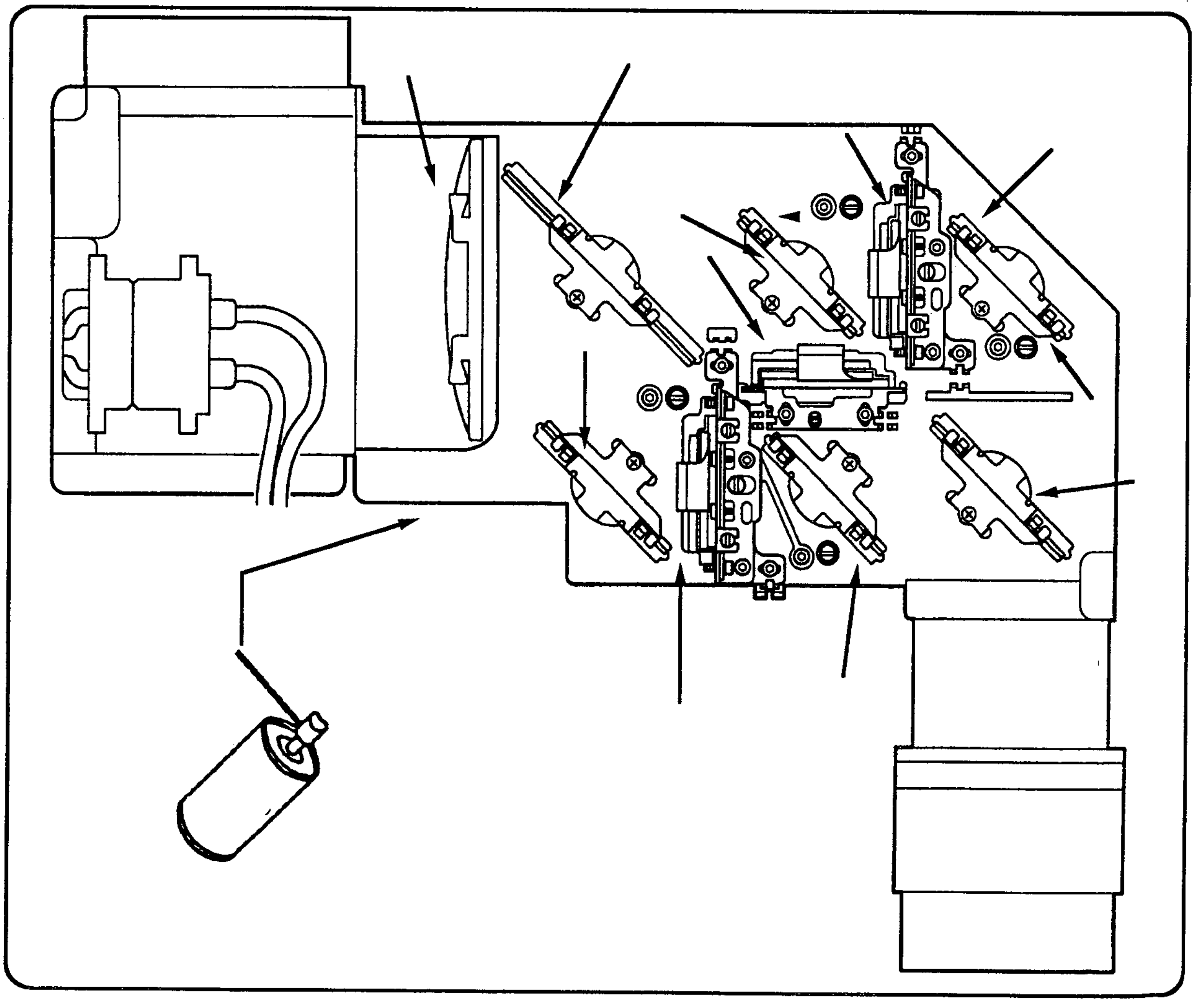
After long periods (many years) of use, dust and particles and other contamination will accumulate on the LCD panel Ass'y (LCD panel and polarizing plate), lens, mirror, etc. and the picture will tend to darken and color blurring may occur.
When this occurs, cleaning of the inside of the unit will be necessary. For dust and light accumulation of contamination, use an air spray to remove the dust. If the contamination cannot be removed by air spray, disassembly and cleaning of the unit will be necessary. Perform all cleaning according to the cleaning methods given below.

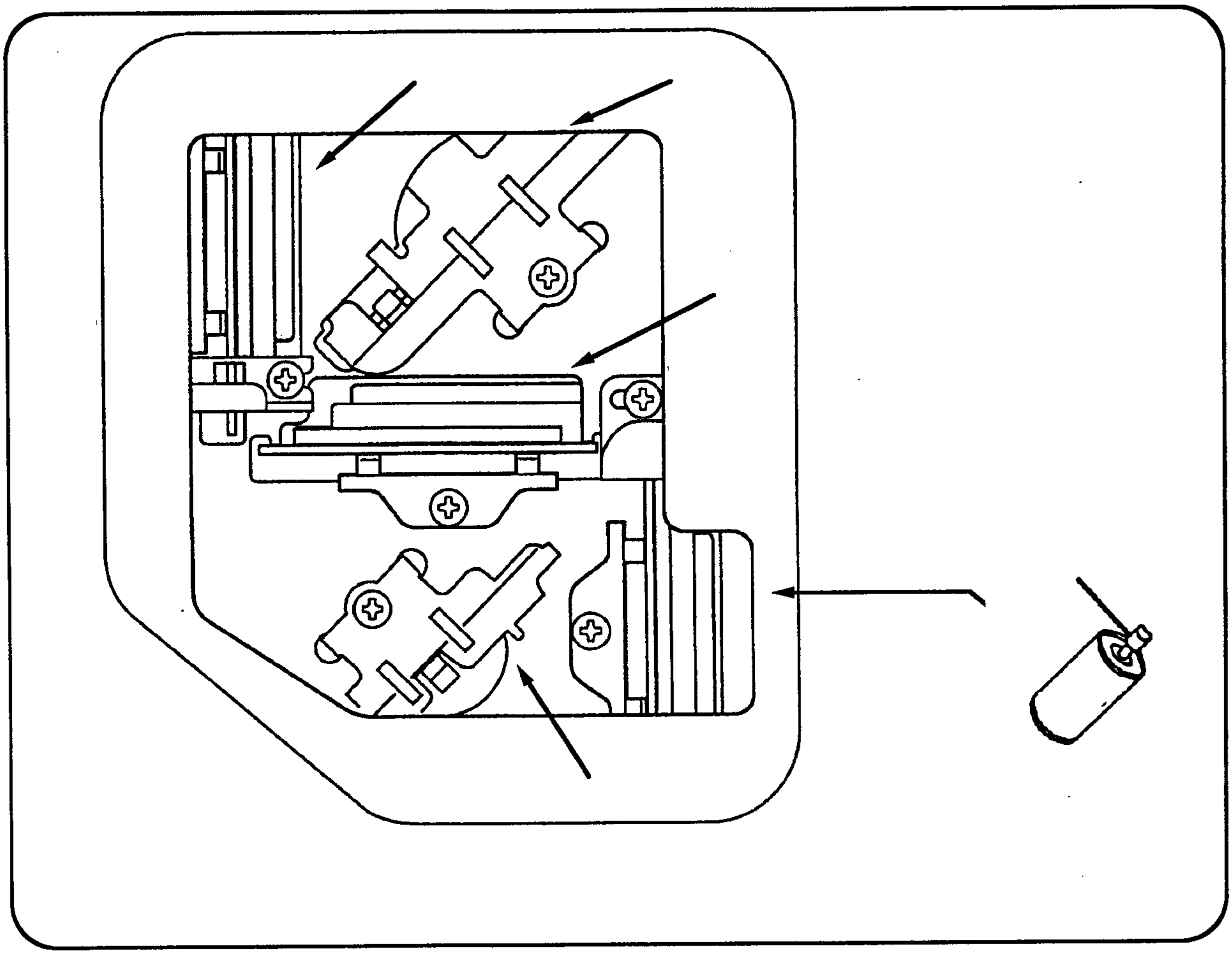
Caution:

Use a commercial (insert gas) air spray designed for camera cleaning use. Never use any cleaner other than that specified for cleaning the LCD panel Ass'y (LCD panel and polarizing plate), lens, mirror, etc. Also, never scrape with any hard material as this will cause damage.

Air Spray cleaning Method

Remove dust from the LCD panel Ass'y by inserting the air spray nozzle in the openings on both sides of the sets holding the LCD panel Ass'y. (Caution: Always use a nozzle made of resin. Also be very careful not to cause any damage to the LCD panel assembly parts with the nozzle tip.





Disassembly cleaning Method

After performing disassembly cleaning, adjustment of the unit will be necessary.
Disassembly cleaning should only be performed when there is considerable contamination which cannot be removed by air spray.

Caution:
Never remove the mirror. The position of the mirror is precisely set at the factory. Perform all cleaning of the mirror with it attached to the unit.

Disassemble and clean the LCD panel units.

Disassembly and assembly of the LCD panel units is performed according to the exploded view diagrams given for each panel, cleaning of the mirror is always performed with it attached to the main unit.
Perform the cleaning of each part according to the cleaning methods described below.

● LCD Panels Ass'y (LCD panel and polarizing glass lens)

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

Never use water or other liquids on the LCD panels ass'y. If the liquid gets into the circuits, damage will result.

● Mirrors

Remove dust, etc. by wiping with a soft cloth. For heavy contamination, remove by moistening the cloth with alcohol.

Caution:

Never use organic solvents (thinners, etc.) as their use will cause damage to these surfaces.

+5.2 VOLT ADJUSTMENT

EQUIPMENT ··············· Digital voltmeter
CONNECTIONS ············ C629 +
Chassis Ground
INPUT SIGNAL ············· Color bar signal

SELECT VIDEO MODE······ AV

ADJUSTMENT: Adjust VR601 to be
5.2 ± 0.05V DC.

VCO ADJUSTMENT

EQUIPMENT ··············· Digital voltmeter
CONNECTIONS ············ TP20F
Chassis Ground
INPUT SIGNAL ············· Color bar signal

SELECT VIDEO MODE······ AV

ADJUSTMENT: Adjust T2001 to be
2.3 ± 0.05V DC.

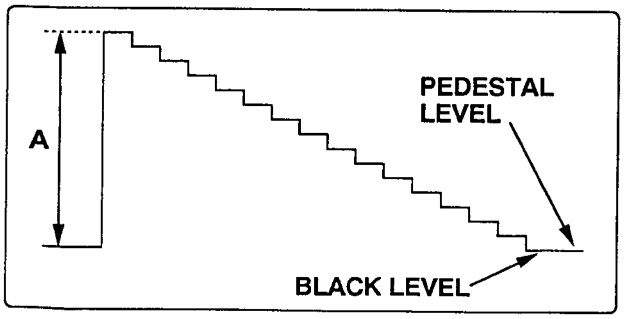
CG GAIN ADJUSTMENT

EQUIPMENT ··············· Oscilloscope
CONNECTIONS ············ TP20R
Chassis Ground
TP20G
Chassis Ground
TP20B
Chassis Ground

INPUT SIGNAL ············· MAC II 16 Step Gray Scale video signal

SELECT VIDEO MODE······ Computer
OTHER CONDITION ········ Adjust the CGBR data (Refer to IIC Data Adjustment on page 34) so that the pedestal level and the black level are equal.

ADJUSTMENT:By using CGRG, CGGG and CGBG data (Refer to IIC Data Adjustment on page 34.) adjust A to be 0.75 ± 0.01V p-p.



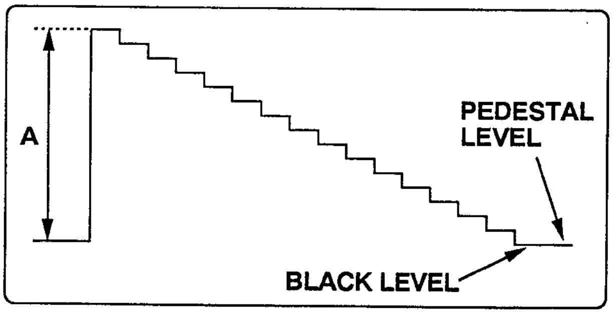
VIDEO GAIN ADJUSTMENT

EQUIPMENT ··············· Oscilloscope
CONNECTIONS ············ TP20R
Chassis Ground
TP20G
Chassis Ground
TP20B
Chassis Ground

INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)

SELECT VIDEO MODE······ Video Input
OTHER CONDITION ········ Adjust the 80BR data (Refer to IIC Data Adjustment on page 34) so that the pedestal level and the black level are equal.

ADJUSTMENT:By using VR6401, 80RG and 80BG data (Refer to IIC Data Adjustment on page 34.) adjust A to be 0.7 ± 0.02V p-p.



V COM ADJUSTMENT

EQUIPMENT ··············· Digital voltmeter
CONNECTIONS ············ TP52G
Chassis Ground
INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)

SELECT VIDEO MODE······ AV

ADJUSTMENT: Adjust VR241 to be
6.5 ± 0.05V p-p.

VIDEO CENTER ADJUSTMENT

EQUIPMENT ··············· Digital voltmeter
CONNECTIONS ············ TP22G6
Chassis Ground
INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)

SELECT VIDEO MODE······ AV

ADJUSTMENT: Adjust VR6216 to be
7.0 ± 0.1V DC.

COMMON AMP ADJUSTMENT

EQUIPMENT ··············· Oscilloscope
CONNECTIONS············· CH 1: TP61 and chassis ground
CH 2: TP62 and chassis ground
INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)

SELECT VIDEO MODE······ AV

ADJUSTMENT: By using VR6217 adjust TP62 waveform voltage (p-p) for same as TP61.

PSIG ADJUSTMENT

EQUIPMENT ··············· Oscilloscope
CONNECTIONS ············ TP25
Chassis Ground
INPUT SIGNAL ············· Color bar signal (NTSC)

SELECT VIDEO MODE······ AV

ADJUSTMENT: Adjust VR501 to be
7.0 ± 0.1V p-p.

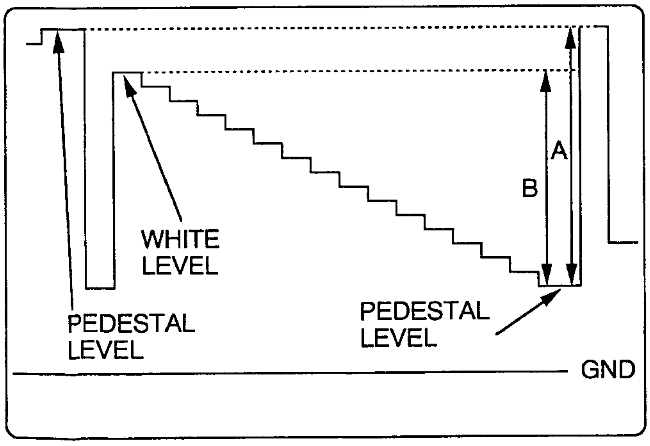
G VIDEO ADJUSTMENT

G VIDEO ADJUSTMENT-1

EQUIPMENT ··············· Oscilloscope
CONNECTIONS····················TP22G1 and ground

INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)
SELECT VIDEO MODE······ AV

ADJUSTMENT: 1. By using VR209 adjust A to be
7.0 ± 0.05V p-p.
2. By using VR204 adjust B to be
2.3 ± 0.05V p-p.



G VIDEO ADJUSTMENT-2

EQUIPMENT ··············· Oscilloscope

INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)
SELECT VIDEO MODE······ AV

1.
CONNECTIONS·········· CH 1: TP22G1 and chassis ground
CH 2: TP22G2 and chassis ground
ADJUSTMENT: By using VR6205,VR6223, adjust TP22G1 waveform voltage (p-p) for same as TP22G2.

2.
CONNECTIONS·········· CH 1: TP22G2 and chassis ground
CH 2: TP22G3 and chassis ground
ADJUSTMENT: By using VR6204,VR6222, adjust TP22G2 waveform voltage (p-p) for same as TP22G3.

3.
CONNECTIONS·········· CH 1: TP22G2 and chassis ground
CH 2: TP22G5 and chassis ground
ADJUSTMENT: By using VR6202,VR6220, adjust TP22G2 waveform voltage (p-p) for same as TP22G5.

4.
CONNECTIONS·········· CH 1: TP22G1 and chassis ground
CH 2: TP22G4 and chassis ground
ADJUSTMENT: By using VR6203,VR6221, adjust TP22G1 waveform voltage (p-p) for same as TP22G4.

5.
CONNECTIONS·········· CH 1: TP22G1 and chassis ground
CH 2: TP22G6 and chassis ground
ADJUSTMENT: By using VR6201,VR6219, adjust TP22G1 waveform voltage (p-p) for same as TP22G6.

R VIDEO ADJUSTMENT

EQUIPMENT ················ Oscilloscope

INPUT SIGNAL ·············· 16 Step Gray Scale video signal (NTSC)
SELECT VIDEO MODE······ Video Input

1.
CONNECTIONS·········· CH 1: TP22G1 and chassis ground
CH 2: TP22R1 and chassis ground
ADJUSTMENT: By using VR203,VR205, adjust TP22G1 waveform voltage (p-p) for same as TP22R1.

2.
CONNECTIONS·········· CH 1: TP22R1 and chassis ground
CH 2: TP22R2 and chassis ground
ADJUSTMENT: By using VR6210,VR6228, adjust TP22R1 waveform voltage (p-p) for same as TP22R2.

3.
CONNECTIONS·········· CH 1: TP22R2 and chassis ground
CH 2: TP22R3 and chassis ground
ADJUSTMENT: By using VR6209,VR6227, adjust TP22R2 waveform voltage (p-p) for same as TP22R3.

4.
CONNECTIONS·········· CH 1: TP22R2 and chassis ground
CH 2: TP22R5 and chassis ground
ADJUSTMENT: By using VR6207,VR6225, adjust TP22R2 waveform voltage (p-p) for same as TP22R5.

5.
CONNECTIONS·········· CH 1: TP22R1 and chassis ground
CH 2: TP22R4 and chassis ground
ADJUSTMENT: By using VR6208,VR6226, adjust TP22R1 waveform voltage (p-p) for same as TP22R4.

6.
CONNECTIONS········CH 1: TP22GR1 and chassis ground
CH 2: TP22R6 and chassis ground
ADJUSTMENT: By using VR6206,VR6224, adjust TP22R1 waveform voltage (p-p) for same as TP22R6.

B VIDEO ADJUSTMENT

EQUIPMENT ················ Oscilloscope

INPUT SIGNAL ·············· 16 Step Gray Scale video signal (NTSC)
SELECT VIDEO MODE······ Video Input

1.
CONNECTIONS·········· CH 1: TP22G1 and chassis ground
CH 2: TP22B1 and chassis ground
ADJUSTMENT: By using VR208,VR207, adjust TP22G1 waveform voltage (p-p) for same as TP22B1.

2.
CONNECTIONS·········· CH 1: TP22B1 and chassis ground
CH 2: TP22B2 and chassis ground
ADJUSTMENT: By using VR6215,VR6233, adjust TP22B1 waveform voltage (p-p) for same as TP22B2.

3.
CONNECTIONS·········· CH 1: TP22B2 and chassis ground
CH 2: TP22B3 and chassis ground
ADJUSTMENT: By using VR6214,VR6232, adjust TP22B2 waveform voltage (p-p) for same as TP22B3.

4.
CONNECTIONS·········· CH 1: TP22B2 and chassis ground
CH 2: TP22B5 and chassis ground
ADJUSTMENT: By using VR6212,VR6230, adjust TP22B2 waveform voltage (p-p) for same as TP22B5.

5.
CONNECTIONS·········· CH 1: TP22B1 and chassis ground
CH 2: TP22B4 and chassis ground
ADJUSTMENT: By using VR6213,VR6231, adjust TP22B1 waveform voltage (p-p) for same as TP22B4.

6.
CONNECTIONS·········· CH 1: TP22B1 and chassis ground
CH 2: TP22B6 and chassis ground
ADJUSTMENT: By using VR6211,VR6229, adjust TP22B1 waveform voltage (p-p) for same as TP22B6.

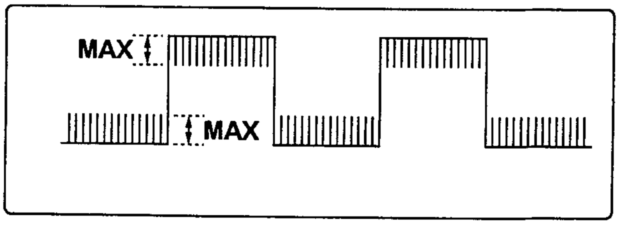
S/H1 CLOCK ADJUSTMENT

EQUIPMENT ·············· Oscilloscope
CONNECTIONS············· TP22G6
Chassis Ground
INPUT SIGNAL ·············· MAC Ⅱ grid pattern signal

SELECT VIDEO MODE······ Computer
SYSTEM ··················· MAC normal

ADJUSTMENT:

1. Adjust GSH1 data (Refer to IIC Data Adjustment on page 34) to Maximum p-p waveform on Oscilloscope.
2. Change connect the Oscilloscope to TP22R1.
3. Adjust the RSH1 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.
4. Change connect the Oscilloscope to TP22B1.
5. Adjust the BSH1 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.

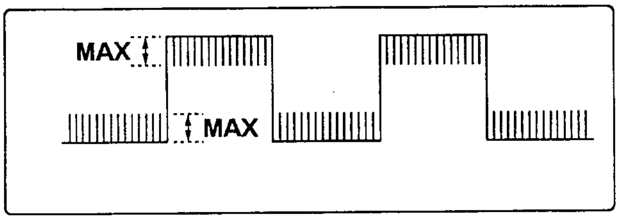


S/H2 CLOCK ADJUSTMENT

EQUIPMENT··············· Oscilloscope
CONNECTIONS············ TP22G6
Chassis Ground
INPUT SIGNAL ············· MAC II grid pattern signal
VGA720X400
SELECT VIDEO MODE······ Computer
SYSTEM ·················· VGA720X400

ADJUSTMENT:

1. Adjust GSH2 data (Refer to IIC Data Adjustment on page 34) to Maximum p-p waveform on Oscilloscope.
2. Change connect the Oscilloscope to TP22R1.
3. Adjust the RSH2 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.
4. Change connect the Oscilloscope to TP22B1.
5. Adjust the BSH2 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.

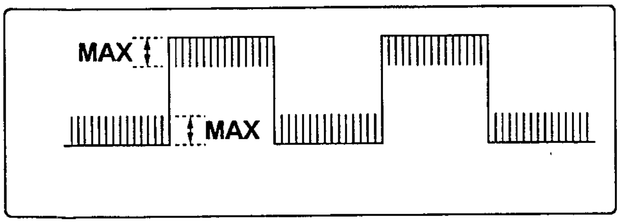


S/H3 CLOCK ADJUSTMENT

EQUIPMENT··············· Oscilloscope
CONNECTIONS············ TP22G2
Chassis Ground
INPUT SIGNAL ············· MAC II grid pattern signal
VGA640X480
SELECT VIDEO MODE······ Computer
SYSTEM ·················· VGA640X480

ADJUSTMENT:

1. Adjust GSH3 data (Refer to IIC Data Adjustment on page 34) to Maximum p-p waveform on Oscilloscope.
2. Change connect the Oscilloscope to TP22R1.
3. Adjust the RSH3 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.
4. Change connect the Oscilloscope to TP22B1.
5. Adjust the BSH3 data (Refer to IIC Data Adjustment on page 34) adjust to Maximum waveform.



PANEL CLOCK ADJUSTMENT

INPUT SIGNAL ············· grid pattern signal

SELECT VIDEO MODE······ AV
DIGITAL CONTROL········· NORMAL
ADJUSTMENT:

1. Adjust the PCK4 data (Refer to IIC Data Adjustment on page 34) so that the screen brightness is uniform top to bottom and left to right and non interference vertical line.

WHITE BALANCE ADJUSTMENT

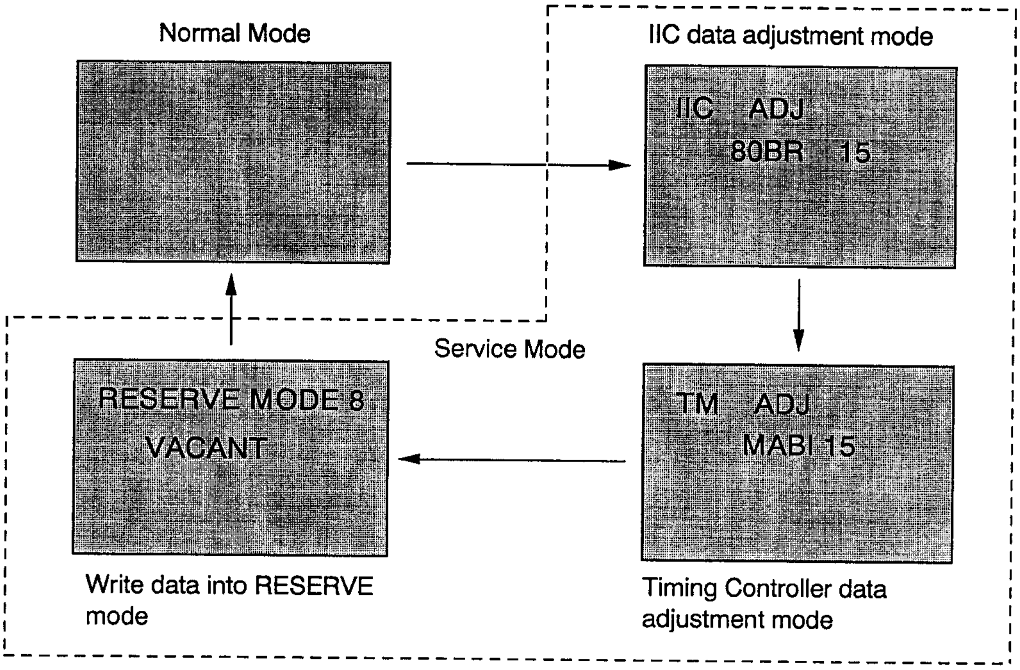
INPUT SIGNAL ············· 16 Step Gray Scale video signal (NTSC)

SELECT VIDEO MODE······ AV

ADJUSTMENT: By using VR203 (R-DC Level Adj.) and VR208 (B-DC Level Adj.), adjust to be balanced Gray Scale.

SERVICE MODE

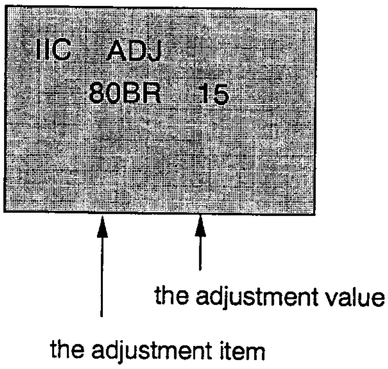
It turns the mode from the normal mode to the "SERVICE MODE" that pushing "MENU" key and "NORMAL" key on the projector at a same time is continued during 3 seconds.
"SERVICE MODE" starts from the "IIC data adjustment". Every pushing "MENU" key and "NORMAL" key at a same time makes the following mode change.


Normal Mode
IIC data adjustment mode
IIC ADJ
80BR 15
Service Mode
RESERVE MODE 8
VACANT
TM ADJ
MABI 15
Write data into RESERVE mode
Timing Controller data adjustment mode

IIC data adjustment

When replacement the electrical parts, readjust IIC data, if necessary.
Data for each item are adjusted by "VOLUME +/ – " key and "LEVEL +/ – " key on the remote control unit.
"VOLUME +" key and "VOLUME – " key change the adjustment item, and "LEVEL +" key and "LEVEL – " key change the adjustment value. The picture is changed after 2 or 3 seconds if the value is changed.

The picture for IIC data adjustment.

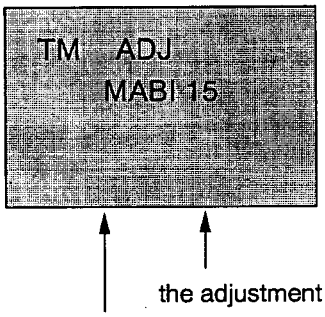

IIC ADJ
80BR 15
the adjustment value
the adjustment item

NOTE: When entering service mode please write down the adjustment value data on a piece of paper for your reference, before attempting any adjustments.
To read off the adjustment data in modes 0 to 35 please select service mode by pressing both the MENU key and the NORMAL key for five seconds, and then press the VOLUME + key, each depression of this key will advance the mode (adjustment item), by one step.
This action will provide you with the factory set adjustment data in each mode.

Timing Controller data adjustment

In Timing Controller data adjustment mode, data for the model which is selected automatically or manually by "SYSTEM" key should be copied by pushing "SETTING" key.
The picture which has the selected model name is displayed as well as "SYSTEM" key is pushed. After 5 seconds, it disappears and the picture for Timing Controller adjustment comes again.
If "NOT COMPATIBLE" is displayed when "SYSTEM" key is pushed, data are used from Data Calculation (refer the attached sheets).
Data for each item are adjusted by "VOLUME +/ – " key and "LEVEL +/ – " key.
"VOLUME +" key and "VOLUME – " key change the adjustment item, and "LEVEL +" key and "LEVEL – " key change the adjustment value. The picture is changed after 2 or 3 seconds if the value is changed.

The picture for Timing Controller data adjustment.

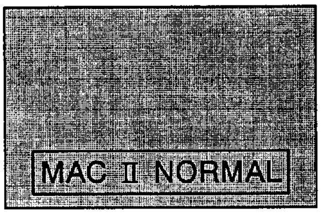


TM ADJ
MABI 15

the adjustment value

the adjustment item

The picture by pushing "SETTING" key (the same one as by "SYSTEM" key)

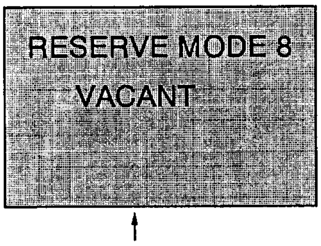


MAC II NORMAL

Write data into RESERVE MODE

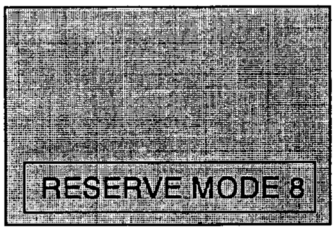
After the suitable picture is obtained by Timing Controller data adjustment, the mode is changed to the Write data into RESERVE MODE by pushing "MENU" key and "NORMAL" key at a same time.
RESERVE MODE 1 ~ RESERVE MODE 8 are selected by using "VOLUME +/ – " key.
Every pushing 'VOLUME +" key or "VOLUME – " key shows "VACANT" or "OCCUPIED" on each position.
Data are memorized correctly only when the right picture is displayed on the screen.
Data can be memorized only into "VACANT" position from RESERVE MODE 1 to RESERVE MODE 8.
After "VACANT" position is obtained, the 3-second pushing "LEVEL +" key makes WRITE data.
If all position is "OCCUPIED" the 3-second pushing "LEVEL – " key makes DELETE data and "VACANT" position.
After data write is finished by Write data into RESERVE MODE, the mode shall go back to the normal mode by pushing "MENU" key and "NORMAL" key at a same time.
To make sure, it is confirmed that "RESERVE MODE" is displayed when "SYSTEM" key is pushed.

The picture for Write data into RESERVE MODE



RESERVE MODE 8
VACANT

"VACANT" or "OCCUPIED"



RESERVE MODE 8

IIC DATA ADJUSTMENT (MODE 0 ~ 16)

MODE No.	DISPLAY	ADJ VALUE	ADJUSTMENT ITEM	FACTORY INITIAL VALUE
0	80BR	0 ~ 63	TDA4680 (IC352) Bright	10
1	80RG	0 ~ 63	TDA4680 (IC352) R Gain	20
2	80GG	0 ~ 63	TDA4680 (IC352) G Gain	20
3	80BG	0 ~ 63	TDA4680 (IC352) B Gain	20
4	CGBR	0 ~ 63	TDA4680 (IC352) CG Bright	10
5	CGRG	0 ~ 63	TDA4680 (IC352) CG R Gain	26
6	CGGG	0 ~ 63	TDA4680 (IC352) CG G Gain	26
7	CGBG	0 ~ 63	TDA4680 (IC352) CG B Gain	26
8	20CR	0 ~ 255	CXA1420 (IC351) Control Reg.	53
9	20SL	0 ~ 63	CXA1420 (IC351) Slice	10
10	20SF	0 ~ 63	CXA1420 (IC351) Shrp Fo	50
11	20WT	0 ~ 63	CXA1420 (IC351) Waiting	22
12	HS60	0 ~ 63	TDA9160 (IC301) Horiz. Shift (60Hz)	10
13	HS50	0 ~ 63	TDA9160 (IC301) Horiz. Shift (50Hz)	10
14	SCOL	0~15	SUB COLOR	8
15	STNT	0~15	SUB TINT	8
16	SSHP	0~15	SUB SHARP	11

SAMPLE HOLD DATA ADJUSTMENT (MODE 17 ~ 32)

17	PCK1	0 ~ 31	Panel Clock -1	2
18	GSH1	0 ~ 31	GREEN Sample Hold Data-1	0
19	RSH1	0 ~ 31	RED Sample Hold Data-1	0
20	BSH1	0 ~ 31	BLUE Sample Hold Data-1	0
21	PCK2	0 ~ 31	Panel Clock-2	2
22	GSH2	0 ~ 31	GREEN Sample Hold Data-2	0
23	RSH2	0 ~ 31	RED Sample Hold Data-2	0
24	BSH2	0 ~ 31	BLUE Sample Hold Data-2	0
25	PCK3	0 ~ 31	Panel Clock-3	2
26	GSH3	0 ~ 31	GREEN Sample Hold Data-3	0
27	RSH3	0 ~ 31	RED Sample Hold Data-3	0
28	BSH3	0 ~ 31	BLUE Sample Hold Data-3	0
29	PCK4	0 ~ 31	Panel Clock-4	2
30	GSH4	0 ~ 31	GREEN Sample Hold Data-4	0
31	RSH4	0 ~ 31	RED Sample Hold Data-4	3
32	BSH4	0 ~ 31	BLUE Sample Hold Data-4	3

TIMING CONTROLLER DATA ADJUSTMENT (MODE 33~ 45)

MODE No.	DISPLAY	ADJ. VALUE	ADJUSTMENT ITEM	FACTORY INITIAL VALUE
33	MABI	0 ~ 15	Dot Elimination Position	15
34	DLIN	255~480	Display Line Data	480
35	POLA	H. V, + or −	H, V Polarity	H − , V −
36	TDOT	500 ~ 1024	Total Dot	800
37	TLIN	240 ~ 700	Total Line	525
38	HFRQ		Horiz. Frequency	31.5
39	CLMP	0 ~ 255	Clamp Position	112
40	HBKP	0 ~ 3	Horiz. Blanking Position	0
41	HCEN	0 ~ 1023	Horiz. Center	94
42	VCEN	0 ~ 1023	Vertical Center	18
43	VBKF	0~255	Vertical Blanking Rise	0
44	VBKE	0~127	Vertical Blanking Fall	0
45	ETC	0~3	Spare Data	3

1. Enter "Horiz./Vertical Sync. Polarity". (Data is stored into POLA)
2. Enter "Total Dot". (Data is stored into TDOT)
3. Enter "Total Line". (Data is stored into TLIN)
4. Enter "Horiz. Frequency". (Data is stored into HFRQ)
5. Adjust Clamp Pulse. (Data is stored into CLMP)
6. Adjust H-blanking position. (Data is stored into HBKP)
7. Adjust H-center. (Data is stored into HCEN)
8. Adjust V-center. (Data is stored into VCEN)

[CHASSIS ELECTRICAL PARTS LIST]

Product safety should be considered when a component replacement is made in any area of a receiver. Components indicated by a △ mark in this parts list and the circuit diagram show components whose value have special significance to product safety. It is particularly recommended that only parts specified on the following parts list be used for components replacement pointed out by the mark.

Note: Part order must contain Service Ref. No.,Part No.,and descriptions.

Read description in the Capacitor and Resister as follows:

CAPACITOR

CERAMIC 100P K 50V

- Rated Voltage
- Tolerance Symbols:

Less than 10PF

A: Not specified	B: ± 0.1PF	C: ± 0.25PF
D: ± 0.5PF	F: ± 1PF	G: ± 2PF
R: +0.25-0PF	S: +0-0.25PF	E: +0-1PF

More than 10PF

A: Not specified	B: ± 0.1%	C: ± 0.25%
D: ± 0.5%	F: ± 1%	G: ± 2%
H: ± 3%	J : ± 5%	K: ± 10%
L : ± 15%	M: ± 20%	N: ± 30%
P: +100-0%	Q: +30-10%	T: +50-10%
U: +75-10%	V: +20-10%	W: +100-10%
X: +40-20%	Y: +150-10%	Z: +80-20%

- Rated value:P=pico farad,U=Micro farad

Material :

CERAMIC	Ceramic
MT-PAPER	Metallized Paper
POLYESTER	Polyester
MT-POLYEST	Metallized Polyester
POLYPRO	Polypropylene
MT-POLYPRO	Metallized Polypropylene
COMPO FILM	Composite film
MT-COMPO	Metallized Cmposite
STYRENE	Styrene
TA-SOLID	Tantalum Solid
AL-SOLID	Aluminium Solid
ELECT	Electrolytic
NP-ELECT	Non-polarized Electrolytic
OS-SOLID	Aluminium Solid with Organic Semiconductive Electrolytic
DL-ELECT	Double Layered Electrolytic

RESISTER

CARBON 4.7K J A 1/4W

- Rated Wattage
- Performance Symbols:
  A:General B:Non flammable Z:Low noise
  Other :Temperature coefficient
- Tolerance Symbols:

A: ± 0.05%	B: ± 0.1%	C: ± 0.25%	D: ± 0.5%
F: ± 1%	G: ± 2%	J: ± 5%	K: ± 10%
M: ± 20%	P:+5-15%		

- Rated value, ohms:
  K:1,000, M:1,000,000

Material :

CARBON	Carbon
MT-FILM	Metal Film
OXIDE-MT	Oxide Metal Film
SOLID	Composition
MT-GLAZE	Metal Glaze
WIRE WOUND	Wire Wound
CERAMIC RES	Ceramic
FUSIBLE RES	Fusible

IF THERE IS A PROBLEM IN THE LAMP BALLAST UNIT, ONLY USE THESE REPLACEMENT PARTS FOR BEST PERFORMANCE AND SAFETY.

Ref. No.	Part No.	Description
△ A701	610 264 0557	LAMP BALLAST ASS'Y
△ Q701	405 140 3704	TR 2SK2698
△ Q702	405 080 9002	TR 2SC4424-M
△ Q703	405 080 9002	TR 2SC4424-M
△ Q704	405 080 9002	TR 2SC4424-M
△ Q705	405 080 9002	TR 2SC4424-M
△ Q706	405 117 7100	TR 2SC3632-L
△ Q731	406 011 2901	TR 2SC4304 LF639
△ RL701	645 006 8256	RELAY
△ R701	402 070 0100	WIRE WOUND 4.7 KA 5W
△ D701	407 155 8705	DIODE RBV-608 LF-B
△ D702	407 146 8202	DIODE FMG-G36S

Ref. No.	Part No.	Description
ASSY, PWB, POWER P6GA		
610 263 2385 1AA0B10C031D0		
TRANSISTOR		
Q601	406 000 6804	TR 2SA1015-GR(SAN)
	405 001 7407	TR 2SA1015-O(SAN)
	405 001 7605	TR 2SA1015-Y(SAN)
	405 004 3109	TR 2SA564A-Q(CU)
	405 004 3208	TR 2SA564A-R(CU)
	405 004 4205	TR 2SA608-E-CTV-NP
	405 004 4809	TR 2SA608-F-CTV-NP
	405 006 1103	TR 2SA933-Q
	405 006 1202	TR 2SA933-R
Q602	405 016 9700	TR 2SC3070-CTV
Q603	405 022 8506	TR 2SD1710-CTV-YB
Q604	405 011 7305	TR 2SC1740-Q
	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 012 2101	TR 2SC1815-O
	405 012 2309	TR 2SC1815-Y
	405 019 1909	TR 2SC536-E-NP
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
	405 020 7709	TR 2SC945A-QA
	405 020 7907	TR 2SC945A-RA
Q606	405 059 9903	TR 2SD1913-R-RA
	405 060 0005	TR 2SD1913-S-RA
INTEGRATED CIRCUIT		
IC602	409 180 2307	IC UPC1093J
CAPACITOR		
△C601	404 066 2303	MT-POLYEST 0.47U M 275V
△C603	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C604	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C606	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C607	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C608	403 076 7100	CERAMIC 1000P M 1K
△C609	403 076 7100	CERAMIC 1000P M 1K
△C610	404 066 1702	MT-POLYEST 0.1U M 275V
△C611	403 076 7100	CERAMIC 1000P M 1K
△C612	403 076 7100	CERAMIC 1000P M 1K
△C613	404 047 1806	ELECT 100U M 400V
△C614	403 194 6900	MT-POLYPRO 0.01U J 800V
C616	403 165 8605	CERAMIC 470P K 2K
	403 232 1805	CERAMIC 470P K 2K
C617	403 058 9306	POLYESTER 0.018U J 50V
	403 178 9507	POLYESTER 0.018U J 50V
C618	403 056 9704	POLYESTER 0.01U J 50V
	403 178 9309	POLYESTER 0.01U J 50V
△C619	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
△C621	404 008 2606	CERAMIC 1000P M 400V
	404 071 3401	CERAMIC 1000P M 400V
C622	403 134 6403	ELECT 2200U M 16V
C623	403 160 8808	ELECT 4700U M 25V
C627	403 148 0107	ELECT 1000U M 16V
C628	403 126 4509	ELECT 100U M 16V
C629	403 160 5005	ELECT 4700U M 10V
C630	403 069 8305	CERAMIC 0.01U Z 50V
C631	403 067 7805	MT-COMPO 0.47U J 50V

Ref. No.	Part No.	Description
C632	403 110 1705	ELECT 2200U M 25V
C634	403 148 0107	ELECT 1000U M 16V
C635	403 126 4509	ELECT 100U M 16V
RESISTOR		
RC605	401 008 8607	CARBON 220K JA 1/2W
△R601	402 000 8305	SOLID 5.6M KA 1/2W
△R602	402 000 8305	SOLID 5.6M KA 1/2W
R603	401 169 4906	WIRE WOUND 3.9 KB 2W
R608	401 008 2605	CARBON 180K JA 1/2W
R609	401 069 8806	OXIDE-MT 82K JA 2W
R610	401 069 8806	OXIDE-MT 82K JA 2W
R611	401 068 6902	OXIDE-MT 56 JA 2W
R612	401 008 2605	CARBON 180K JA 1/2W
R613	401 025 8208	CARBON 22K JA 1/6W
R614	401 024 7400	CARBON 10K JA 1/6W
R616	401 069 6208	OXIDE-MT 82 JA 2W
R617	401 024 6700	CARBON 100 JA 1/6W
R619	401 016 3304	CARBON 2.2K GA 1/4W
R621	401 025 7805	CARBON 2.2K JA 1/6W
R622	401 024 7004	CARBON 1K JA 1/6W
R623	401 024 7400	CARBON 10K JA 1/6W
R627	401 024 7400	CARBON 10K JA 1/6W
R628	401 027 8602	CARBON 8.2K JA 1/6W
R629	401 026 0607	CARBON 270 JA 1/6W
R631	401 024 7004	CARBON 1K JA 1/6W
R632	401 024 7400	CARBON 10K JA 1/6W
R633	401 024 7400	CARBON 10K JA 1/6W
R634	401 066 5204	OXIDE-MT 22 JA 2W
R636	401 009 5803	CARBON 330 JA 1/2W
R637	402 067 6603	FUSIBLE RES 2.7 J- 1/4W
R638	401 066 5204	OXIDE-MT 22 JA 2W
R643	401 064 3806	OXIDE-MT 1 JA 2W
VARISTOR		
△VA601	407 130 2902	VARISTOR ENC471D-14A
VARIABLE RESISTOR		
VR601	645 006 2728	VR, SEMI, 2K S
TRANSFORMER		
△T601	645 009 8123	TRANS, POWER, PULSE
COIL		
△L601	610 240 9123	LINE FILTER
△L602	610 031 6317	LINE FILTER
△L603	610 031 5945	LINE FILTER
L604	610 032 1243	INDUCTOR, 150U K
DIODE		
△DB601	407 141 1000	DIODE RBV-408
D601	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D602	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D603	407 007 6903	DIODE ES1Z
D604	407 054 3207	ZENER DIODE RD12EB2
	407 164 6907	ZENER DIODE UZ-12BCB
D605	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D606	407 013 1008	DIODE 1S1553
	407 013 4306	DIODE 1S2076A
	407 013 6508	DIODE 1S2471
D607	407 116 3404	DIODE RU1P
D608	407 103 1604	DIODE RU4YX LF-J3

Ref. No.	Part No.	Description
D609	407 118 2306	DIODE FML-12S LF-F
D609A	610 247 2677	HEAT SINK-S7VA
D609B	610 014 5818	WASHER
D609C	411 045 2209	SCR PAN+SW 3X10
D609D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
D610	407 116 3404	DIODE RU1P
D611	407 007 7405	DIODE EU1
D612	407 118 2306	DIODE FML-12S LF-F
D612A	610 247 2677	HEAT SINK-S7VA
D612B	610 014 5818	WASHER
D612C	411 045 2209	SCR PAN+SW 3X10
D612D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
D613	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D614	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D616	407 005 7308	DIODE EM01Z
D617	407 005 7308	DIODE EM01Z
D618	407 005 7308	DIODE EM01Z
D619	407 005 7308	DIODE EM01Z
D621	407 057 4003	ZENER DIODE RD6.8EB1
	407 164 9908	ZENER DIODE UZ-6.8BCA
D622	407 005 7308	DIODE EM01Z
D623	407 005 7308	DIODE EM01Z
D624	407 005 7308	DIODE EM01Z
D626	407 005 7308	DIODE EM01Z
D627	407 057 4003	ZENER DIODE RD6.8EB1
	407 164 9908	ZENER DIODE UZ-6.8BCA
D631	407 057 6304	ZENER DIODE RD7.5EB1
	407 151 8808	ZENER DIODE UZ-7.5BCA
D632	407 057 6304	ZENER DIODE RD7.5EB1
	407 151 8808	ZENER DIODE UZ-7.5BCA
MISCELLANEOUS		
⚠RL601	645 002 1855	RELAY
Q603A	610 247 7733	HEAT SINK A-G8DA
Q603B	610 080 3145	WASHER TO-3PM
Q603C	411 045 2803	SCR PAN+SW 3X12
Q603D	411 004 4404	NUT HEX 3
Q606A	610 247 2677	HEAT SINK-S7VA
Q606B	610 014 5818	WASHER
Q606C	411 045 2209	SCR PAN+SW 3X10
Q606D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
K6A-1	645 008 4058	TERMINAL, PLUG
K6A-2	645 008 4058	TERMINAL, PLUG
K6A-3	645 008 4058	TERMINAL, PLUG
K6B-1	645 008 4058	TERMINAL, PLUG
K6B-2	645 008 4058	TERMINAL, PLUG
K6C-1	645 008 4058	TERMINAL, PLUG
K6C-2	645 008 4058	TERMINAL, PLUG
K6C-3	645 008 4058	TERMINAL, PLUG
K6D	645 004 2935	PLUG, 7P
K6E	645 004 2898	PLUG, 3P
K6F	645 004 2898	PLUG, 3P
K6G	645 004 2898	PLUG, 3P
K6I	610 014 2886	TERMINAL
K6I-1	610 012 5926	TERMINAL
K6J	645 004 2898	PLUG, 3P
K6L-1	645 008 4058	TERMINAL, PLUG
K6L-2	645 008 4058	TERMINAL, PLUG
K6M-1	645 008 4058	TERMINAL, PLUG
K6M-2	645 008 4058	TERMINAL, PLUG
K6P-1	645 008 4058	TERMINAL, PLUG

Ref. No.	Part No.	Description
K6P-2	645 008 4058	TERMINAL, PLUG
K6Q	645 004 2898	PLUG, 3P
⚠PC601	408 016 8803	PC PC113 (VDE0884)
ASSY, PWB, MAIN P6GA 610 264 9284 1AA0B10C085R0		
TRANSISTOR		
Q001	405 015 8704	TR 2SC2812-L6-TA
Q002	405 015 8704	TR 2SC2812-L6-TA
Q003	405 002 6706	TR 2SA1179-M6-TA
Q004	405 002 6706	TR 2SA1179-M6-TA
Q011	405 015 8704	TR 2SC2812-L6-TA
Q012	405 015 8704	TR 2SC2812-L6-TA
Q013	405 002 6706	TR 2SA1179-M6-TA
Q014	405 015 8704	TR 2SC2812-L6-TA
Q015	405 015 8704	TR 2SC2812-L6-TA
Q016	405 015 8704	TR 2SC2812-L6-TA
Q017	405 015 8704	TR 2SC2812-L6-TA
Q018	405 015 8704	TR 2SC2812-L6-TA
Q021	405 015 8704	TR 2SC2812-L6-TA
Q022	405 015 8704	TR 2SC2812-L6-TA
Q023	405 002 6706	TR 2SA1179-M6-TA
Q024	405 015 8704	TR 2SC2812-L6-TA
Q101	405 015 8704	TR 2SC2812-L6-TA
Q102	405 015 8704	TR 2SC2812-L6-TA
Q103	405 015 8704	TR 2SC2812-L6-TA
Q106	405 015 8704	TR 2SC2812-L6-TA
Q107	405 015 8704	TR 2SC2812-L6-TA
Q108	405 015 8704	TR 2SC2812-L6-TA
Q109	405 015 8704	TR 2SC2812-L6-TA
Q111	405 015 8704	TR 2SC2812-L6-TA
Q112	405 015 8704	TR 2SC2812-L6-TA
Q301	405 015 8704	TR 2SC2812-L6-TA
Q302	405 002 6706	TR 2SA1179-M6-TA
Q303	405 015 8704	TR 2SC2812-L6-TA
Q308	405 015 8704	TR 2SC2812-L6-TA
Q309	405 002 6706	TR 2SA1179-M6-TA
Q310	405 002 6706	TR 2SA1179-M6-TA
Q311	405 002 6706	TR 2SA1179-M6-TA
Q312	405 002 6706	TR 2SA1179-M6-TA
Q313	405 002 6706	TR 2SA1179-M6-TA
Q314	405 015 8704	TR 2SC2812-L6-TA
Q6301	405 015 5505	TR 2SC2757-T33 T2B
Q6306	405 015 5505	TR 2SC2757-T33 T2B
Q6307	405 015 5505	TR 2SC2757-T33 T2B
Q6311	405 015 5505	TR 2SC2757-T33 T2B
Q6321	405 015 5505	TR 2SC2757-T33 T2B
Q6603	405 015 8704	TR 2SC2812-L6-TA
Q6604	405 015 8704	TR 2SC2812-L6-TA
Q6851	405 002 6706	TR 2SA1179-M6-TA
Q6852	405 015 8704	TR 2SC2812-L6-TA
Q6853	405 015 8704	TR 2SC2812-L6-TA
Q6854	405 015 8704	TR 2SC2812-L6-TA
Q801	405 015 8704	TR 2SC2812-L6-TA
Q806	405 015 8704	TR 2SC2812-L6-TA
Q807	405 015 8704	TR 2SC2812-L6-TA
INTEGRATED CIRCUIT		
IC001	409 202 3008	IC MC74HC14AF-R1
IC003	409 111 9306	IC LA7213
IC004	409 111 9306	IC LA7213
IC005	409 202 3008	IC MC74HC14AF-R1
IC051	409 306 1603	IC LC92041A-832
IC052	409 305 7507	IC DS1020-025
IC053	409 202 3008	IC MC74HC14AF-R1
IC054	409 158 5804	IC TC74HC123AF-TP1
IC055	409 158 5804	IC TC74HC123AF-TP1

Ref. No.	Part No.	Description
IC056	409 018 3704	IC LA6358M-TP-T1
IC101	409 222 5709	IC MC14052BF-R
	409 051 2702	IC TC4052BF-TP1
IC102	409 073 1509	IC AN5265
IC301	409 346 1106	IC TDA9160A/N3
IC302	409 030 7506	IC MC14528BCP
IC303	409 291 0605	IC TDA4661/V2
IC6301	409 380 6303	IC HIN232CB
	409 190 8108	IC MAX232CWE
IC6306	409 050 1706	IC TA79L005P
IC6602	409 343 5107	IC PQ15RF15
IC6603	409 365 2900	IC BA178M12T
IC6606	409 050 1706	IC TA79L005P
IC6607	409 241 5407	IC BA178M05T
IC6608	409 365 2801	IC BA178M08T
IC801	410 259 8304	IC M37204M8-B26SP
IC802	410 259 8403	IC M37210M3-629SP
	410 269 8400	IC M37210E4-M6GA
IC804	409 199 4705	IC MC14066BF-R
	409 051 3402	IC TC4066BF-TP1
IC806	409 243 4200	IC MN1380-R
IC807	409 383 6805	IC 24LC08B/P
	409 296 9207	IC X24C08P
IC808	409 383 6805	IC 24LC08B/P
	409 296 9207	IC X24C08P
CAPACITOR		
C001	403 069 9500	CERAMIC 0.01U Z 50V
C002	403 135 5009	ELECT 47U M 10V
C003	403 024 7107	CERAMIC 390P J 50V
C005	403 024 7107	CERAMIC 390P J 50V
C007	403 069 9500	CERAMIC 0.01U Z 50V
C008	403 067 8307	MT-COMPO 0.68U J 50V
C009	403 069 9500	CERAMIC 0.01U Z 50V
C011	403 058 3403	POLYESTER 0.015U K 50V
C012	403 134 9602	ELECT 47U M 16V
C014	403 086 5400	NP-ELECT 2.2U M 50V
C017	403 069 9500	CERAMIC 0.01U Z 50V
C018	403 135 5009	ELECT 47U M 10V
C021	403 125 5606	ELECT 100U M 16V
C022	403 056 7304	POLYESTER 1000P J 50V
C023	403 086 0108	NP-ELECT 4.7U M 25V
C025	403 134 9602	ELECT 47U M 16V
C028	403 056 7304	POLYESTER 1000P J 50V
C029	403 061 1601	POLYESTER 3900P J 50V
C031	403 067 7805	MT-COMPO 0.47U J 50V
C033	403 069 9500	CERAMIC 0.01U Z 50V
C051	403 134 9602	ELECT 47U M 16V
C052	403 069 9500	CERAMIC 0.01U Z 50V
C053	403 069 9500	CERAMIC 0.01U Z 50V
C054	403 067 7300	MT-COMPO 0.33U J 50V
C057	403 069 9500	CERAMIC 0.01U Z 50V
C058	403 134 9602	ELECT 47U M 16V
C059	403 069 9500	CERAMIC 0.01U Z 50V
C062	403 069 9500	CERAMIC 0.01U Z 50V
C063	403 121 2302	ELECT 470U M 10V
C064	403 069 9500	CERAMIC 0.01U Z 50V
C066	403 067 5603	MT-COMPO 0.1U J 50V
C067	403 075 5305	CERAMIC 8200P K 50V
C068	403 069 9500	CERAMIC 0.01U Z 50V
C069	403 075 5305	CERAMIC 8200P K 50V
C071	403 067 5603	MT-COMPO 0.1U J 50V
C072	403 067 7300	MT-COMPO 0.33U J 50V
C073	403 067 5603	MT-COMPO 0.1U J 50V
C074	403 069 9500	CERAMIC 0.01U Z 50V
C076	403 011 4904	CERAMIC 120P J 50V
C077	403 010 1102	CERAMIC 1000P J 50V
C078	403 069 9500	CERAMIC 0.01U Z 50V

Ref. No.	Part No.	Description
C079	403 067 5702	MT-COMPO 1U J 50V
C080	403 031 2201	CERAMIC 680P J 50V
C081	403 069 9500	CERAMIC 0.01U Z 50V
C082	403 135 5009	ELECT 47U M 10V
C083	403 107 9905	ELECT 10U M 16V
C084	403 069 9500	CERAMIC 0.01U Z 50V
C086	403 009 5708	CERAMIC 100P J 50V
C087	403 075 5305	CERAMIC 8200P K 50V
C091	403 026 2803	CERAMIC 47P J 50V
C092	403 026 2803	CERAMIC 47P J 50V
C101	403 121 3408	ELECT 2.2U M 50V
C102	403 121 3408	ELECT 2.2U M 50V
C103	403 107 9905	ELECT 10U M 16V
C104	403 069 9500	CERAMIC 0.01U Z 50V
C106	403 107 9905	ELECT 10U M 16V
C107	403 121 3408	ELECT 2.2U M 50V
C108	403 121 3408	ELECT 2.2U M 50V
C111	403 085 4008	NP-ELECT 10U M 16V
C112	403 085 4008	NP-ELECT 10U M 16V
C113	403 069 1702	CERAMIC 1000P K 50V
C114	403 085 4008	NP-ELECT 10U M 16V
C117	403 069 9500	CERAMIC 0.01U Z 50V
C118	403 134 5802	ELECT 470U M 16V
C119	403 109 6308	ELECT 1U M 50V
C121	403 109 6308	ELECT 1U M 50V
C122	403 109 6407	ELECT 10U M 50V
C123	403 109 6407	ELECT 10U M 50V
C124	403 067 7706	MT-COMPO 0.047U J 50V
C126	403 218 8101	ELECT 1000U M 25V
C127	403 111 8604	ELECT 470U M 25V
C128	403 107 9905	ELECT 10U M 16V
C129	403 107 9905	ELECT 10U M 16V
C301	403 067 5603	MT-COMPO 0.1U J 50V
C302	403 067 7805	MT-COMPO 0.47U J 50V
C303	403 067 7805	MT-COMPO 0.47U J 50V
C304	403 067 7805	MT-COMPO 0.47U J 50V
C306	403 192 5905	CERAMIC 0.1U K 25V
C307	403 060 6300	POLYESTER 3300P K 50V
C308	403 067 5603	MT-COMPO 0.1U J 50V
C309	403 014 3607	CERAMIC 18P J 50V
C313	403 014 3607	CERAMIC 18P J 50V
C314	403 060 6300	POLYESTER 3300P K 50V
C315	403 192 5905	CERAMIC 0.1U K 25V
C316	403 067 7805	MT-COMPO 0.47U J 50V
C317	403 121 2609	ELECT 220U M 16V
C318	403 121 2609	ELECT 220U M 16V
C319	403 069 9500	CERAMIC 0.01U Z 50V
C321	403 192 5905	CERAMIC 0.1U K 25V
C322	403 192 5905	CERAMIC 0.1U K 25V
C323	403 028 9909	CERAMIC 560P J 50V
C324	403 033 9000	CERAMIC 820P J 50V
C326	403 069 9500	CERAMIC 0.01U Z 50V
C327	403 192 5905	CERAMIC 0.1U K 25V
C328	403 192 5905	CERAMIC 0.1U K 25V
C329	403 125 5606	ELECT 100U M 16V
C331	403 069 9500	CERAMIC 0.01U Z 50V
C332	403 069 9500	CERAMIC 0.01U Z 50V
C333	403 125 5606	ELECT 100U M 16V
C341	403 033 4500	CERAMIC 82P J 50V
C342	403 011 4904	CERAMIC 120P J 50V
C343	403 033 4500	CERAMIC 82P J 50V
C344	403 011 4904	CERAMIC 120P J 50V
C346	403 069 9500	CERAMIC 0.01U Z 50V
C347	403 069 9500	CERAMIC 0.01U Z 50V
C348	403 069 9500	CERAMIC 0.01U Z 50V
C351	403 009 5708	CERAMIC 100P J 50V
C352	403 009 5708	CERAMIC 100P J 50V
C353	403 009 5708	CERAMIC 100P J 50V

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
C6301	403 125 5606	ELECT 100U M 16V	C821	403 121 3408	ELECT 2.2U M 50V
C6302	403 069 9500	CERAMIC 0.01U Z 50V	C822	403 069 9500	CERAMIC 0.01U Z 50V
C6303	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	C826	403 018 7403	CERAMIC 220P J 50V
C6304	403 140 9207	NP-ELECT 10U M 16V			
C6305	403 192 5905	CERAMIC 0.1U K 25V	RESISTOR		
C6306	403 069 9500	CERAMIC 0.01U Z 50V	R002	401 037 5400	MT-GLAZE 1K JA 1/10W
C6307	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R004	401 037 5400	MT-GLAZE 1K JA 1/10W
C6308	403 085 4008	NP-ELECT 10U M 16V	R005	401 037 5400	MT-GLAZE 1K JA 1/10W
C6309	403 069 9500	CERAMIC 0.01U Z 50V	R008	401 037 5202	MT-GLAZE 100 JA 1/10W
C6311	401 037 5004	MT-GLAZE 0.000 ZA 1/10W	R010	401 037 5400	MT-GLAZE 1K JA 1/10W
C6312	403 085 4008	NP-ELECT 10U M 16V	R011	401 038 5300	MT-GLAZE 39K JA 1/10W
C6331	403 107 9905	ELECT 10U M 16V	R012	401 037 8104	MT-GLAZE 150K JA 1/10W
C6332	403 107 9905	ELECT 10U M 16V	R016	401 037 5202	MT-GLAZE 100 JA 1/10W
C6333	403 107 9905	ELECT 10U M 16V	R021	401 037 5608	MT-GLAZE 10K JA 1/10W
C6334	403 069 9500	CERAMIC 0.01U Z 50V	R022	401 037 5608	MT-GLAZE 10K JA 1/10W
C6336	403 107 9905	ELECT 10U M 16V	R023	401 037 5400	MT-GLAZE 1K JA 1/10W
C6337	403 107 9905	ELECT 10U M 16V	R024	401 038 6307	MT-GLAZE 470 JA 1/10W
C6374	403 125 5606	ELECT 100U M 16V	R026	401 037 5608	MT-GLAZE 10K JA 1/10W
C6376	403 069 9500	CERAMIC 0.01U Z 50V	R027	401 037 5400	MT-GLAZE 1K JA 1/10W
C6378	403 069 9500	CERAMIC 0.01U Z 50V	R030	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6602	403 121 2302	ELECT 470U M 10V	R031	401 037 5608	MT-GLAZE 10K JA 1/10W
C6603	403 069 9500	CERAMIC 0.01U Z 50V	R032	401 037 5608	MT-GLAZE 10K JA 1/10W
C6604	403 107 9509	ELECT 100U M 10V	R033	401 038 3504	MT-GLAZE 330 JA 1/10W
C6606	403 069 9500	CERAMIC 0.01U Z 50V	R034	401 038 0602	MT-GLAZE 220 JA 1/10W
C6607	403 107 9509	ELECT 100U M 10V	R035	401 038 2309	MT-GLAZE 270K JA 1/10W
C6608	403 069 9500	CERAMIC 0.01U Z 50V	R036	401 037 5608	MT-GLAZE 10K JA 1/10W
C6609	403 107 9509	ELECT 100U M 10V	R037	401 038 6307	MT-GLAZE 470 JA 1/10W
C6611	403 069 9500	CERAMIC 0.01U Z 50V	R038	401 037 8005	MT-GLAZE 15K JA 1/10W
C6616	403 069 9500	CERAMIC 0.01U Z 50V	R039	401 037 5400	MT-GLAZE 1K JA 1/10W
C6617	403 109 5707	ELECT 220U M 25V	R040	401 038 2309	MT-GLAZE 270K JA 1/10W
C6618	403 069 9500	CERAMIC 0.01U Z 50V	R041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6619	403 109 5608	ELECT 100U M 25V	R042	401 038 6307	MT-GLAZE 470 JA 1/10W
C6620	403 069 9500	CERAMIC 0.01U Z 50V	R043	401 039 0403	MT-GLAZE 8.2K JA 1/10W
C6621	403 069 9500	CERAMIC 0.01U Z 50V	R044	401 038 6307	MT-GLAZE 470 JA 1/10W
C6622	403 109 5608	ELECT 100U M 25V	R045	401 038 2101	MT-GLAZE 2.7K JA 1/10W
C6623	403 069 9500	CERAMIC 0.01U Z 50V	R046	401 037 5806	MT-GLAZE 1M JA 1/10W
C6631	403 069 9500	CERAMIC 0.01U Z 50V	R047	401 037 5608	MT-GLAZE 10K JA 1/10W
C6632	403 134 5802	ELECT 470U M 16V	R048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6633	403 069 9500	CERAMIC 0.01U Z 50V	R051	401 037 9101	MT-GLAZE 180 JA 1/10W
C6636	403 069 9500	CERAMIC 0.01U Z 50V	R052	401 037 5608	MT-GLAZE 10K JA 1/10W
C6637	403 134 5802	ELECT 470U M 16V	R053	401 038 7502	MT-GLAZE 56 JA 1/10W
C6638	403 069 9500	CERAMIC 0.01U Z 50V	R054	401 037 5608	MT-GLAZE 10K JA 1/10W
C6642	403 109 5707	ELECT 220U M 25V	R055	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6643	403 069 9500	CERAMIC 0.01U Z 50V	R056	401 037 5707	MT-GLAZE 100K JA 1/10W
C6645	403 109 6407	ELECT 10U M 50V	R057	401 037 5608	MT-GLAZE 10K JA 1/10W
C6646	403 134 9602	ELECT 47U M 16V	R059	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C6647	403 069 9500	CERAMIC 0.01U Z 50V	R066	401 037 5707	MT-GLAZE 100K JA 1/10W
C6651	403 069 9500	CERAMIC 0.01U Z 50V	R067	401 038 5300	MT-GLAZE 39K JA 1/10W
C6652	403 107 9509	ELECT 100U M 10V	R068	401 038 5300	MT-GLAZE 39K JA 1/10W
C6653	403 069 9500	CERAMIC 0.01U Z 50V	R069	401 037 5707	MT-GLAZE 100K JA 1/10W
C6658	403 107 9509	ELECT 100U M 10V	R071	401 037 5707	MT-GLAZE 100K JA 1/10W
C6659	403 069 9500	CERAMIC 0.01U Z 50V	R072	401 037 8104	MT-GLAZE 150K JA 1/10W
C6661	403 069 9500	CERAMIC 0.01U Z 50V	R074	401 038 3504	MT-GLAZE 330 JA 1/10W
C6662	403 069 9500	CERAMIC 0.01U Z 50V	R075	401 038 6406	MT-GLAZE 4.7K JA 1/10W
C6663	403 134 9602	ELECT 47U M 16V	R076	401 038 6307	MT-GLAZE 470 JA 1/10W
C6851	403 070 2606	CERAMIC 0.1U Z 50V	R077	401 038 7908	MT-GLAZE 560K JA 1/10W
C6852	403 070 2606	CERAMIC 0.1U Z 50V	R078	401 037 5608	MT-GLAZE 10K JA 1/10W
C801	403 121 3002	ELECT 4.7U M 25V	R079	401 038 6406	MT-GLAZE 4.7K JA 1/10W
C802	403 121 3002	ELECT 4.7U M 25V	R081	401 038 6505	MT-GLAZE 47K JA 1/10W
C803	403 192 5905	CERAMIC 0.1U K 25V	R082	401 038 0800	MT-GLAZE 22K JA 1/10W
C804	403 192 5905	CERAMIC 0.1U K 25V	R083	401 037 5608	MT-GLAZE 10K JA 1/10W
C809	403 069 9500	CERAMIC 0.01U Z 50V	R084	401 038 0800	MT-GLAZE 22K JA 1/10W
C810TM	403 069 8305	CERAMIC 0.01U Z 50V	R086	401 037 5608	MT-GLAZE 10K JA 1/10W
C812	403 069 9500	CERAMIC 0.01U Z 50V	R087	401 038 6505	MT-GLAZE 47K JA 1/10W
C813	403 192 5905	CERAMIC 0.1U K 25V	R088	401 038 9209	MT-GLAZE 6.8K JA 1/10W
C814	403 134 5505	ELECT 10U M 25V	R089	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C816	403 192 5905	CERAMIC 0.1U K 25V	R091	401 037 5608	MT-GLAZE 10K JA 1/10W
C819	403 069 9500	CERAMIC 0.01U Z 50V	R092	401 038 0800	MT-GLAZE 22K JA 1/10W

Ref. No.	Part No.	Description
R093	401 037 6803	MT-GLAZE 12K JA 1/10W
R094	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R098	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R101	401 037 5707	MT-GLAZE 100K JA 1/10W
R102	401 037 5707	MT-GLAZE 100K JA 1/10W
R103	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R104	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R106	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R107	401 037 5707	MT-GLAZE 100K JA 1/10W
R108	401 037 5707	MT-GLAZE 100K JA 1/10W
R109	401 037 8005	MT-GLAZE 15K JA 1/10W
R111	401 037 5707	MT-GLAZE 100K JA 1/10W
R112	401 037 5707	MT-GLAZE 100K JA 1/10W
R113	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R114	401 038 7809	MT-GLAZE 56K JA 1/10W
R116	401 037 5707	MT-GLAZE 100K JA 1/10W
R117	401 037 5707	MT-GLAZE 100K JA 1/10W
R118	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R119	401 038 7809	MT-GLAZE 56K JA 1/10W
R121	401 037 8005	MT-GLAZE 15K JA 1/10W
R122	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R123	401 039 0304	MT-GLAZE 820 JA 1/10W
R134	401 037 5608	MT-GLAZE 10K JA 1/10W
R136	401 037 5608	MT-GLAZE 10K JA 1/10W
R137	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R138	401 038 9308	MT-GLAZE 68K JA 1/10W
R139	401 038 9001	MT-GLAZE 680 JA 1/10W
R141	401 037 8005	MT-GLAZE 15K JA 1/10W
R142	401 068 1600	OXIDE-MT 4.7 JA 2W
R143	401 068 6209	OXIDE-MT 5.6 JA 2W
R144	401 059 2807	OXIDE-MT 150 JA 1W
R146	401 037 5608	MT-GLAZE 10K JA 1/10W
R151	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R152	401 038 9001	MT-GLAZE 680 JA 1/10W
R153	401 037 5707	MT-GLAZE 100K JA 1/10W
R154	401 037 5202	MT-GLAZE 100 JA 1/10W
R155	401 037 5400	MT-GLAZE 1K JA 1/10W
R161	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R162	401 038 9001	MT-GLAZE 680 JA 1/10W
R163	401 037 5707	MT-GLAZE 100K JA 1/10W
R164	401 037 5202	MT-GLAZE 100 JA 1/10W
R171	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R172	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R301	401 037 5400	MT-GLAZE 1K JA 1/10W
R302	401 037 5400	MT-GLAZE 1K JA 1/10W
R303	401 037 5400	MT-GLAZE 1K JA 1/10W
R306	401 037 5400	MT-GLAZE 1K JA 1/10W
R307	401 038 9803	MT-GLAZE 75K JA 1/10W
R311	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R312	401 037 8005	MT-GLAZE 15K JA 1/10W
R313	401 037 5202	MT-GLAZE 100 JA 1/10W
R314	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R316	401 038 6307	MT-GLAZE 470 JA 1/10W
R317	401 038 3504	MT-GLAZE 330 JA 1/10W
R318	401 038 6307	MT-GLAZE 470 JA 1/10W
R319	401 038 7502	MT-GLAZE 56 JA 1/10W
R321	401 038 6307	MT-GLAZE 470 JA 1/10W
R322	401 038 6307	MT-GLAZE 470 JA 1/10W
R323	401 038 6604	MT-GLAZE 470K JA 1/10W
R326	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R327	401 038 5300	MT-GLAZE 39K JA 1/10W
R328	401 094 1902	MT-GLAZE 10M JA 1/10W
R331	401 037 8005	MT-GLAZE 15K JA 1/10W
R332	401 037 8005	MT-GLAZE 15K JA 1/10W
R333	401 038 0602	MT-GLAZE 220 JA 1/10W
R334	401 038 0602	MT-GLAZE 220 JA 1/10W
R335	401 038 0602	MT-GLAZE 220 JA 1/10W
R336	401 038 0602	MT-GLAZE 220 JA 1/10W
R337	401 038 0602	MT-GLAZE 220 JA 1/10W
R338	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R339	401 038 0602	MT-GLAZE 220 JA 1/10W
R340	401 038 0602	MT-GLAZE 220 JA 1/10W
R341	401 038 0602	MT-GLAZE 220 JA 1/10W
R342	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R343	401 038 0602	MT-GLAZE 220 JA 1/10W
R346	401 038 7502	MT-GLAZE 56 JA 1/10W
R347	401 038 0602	MT-GLAZE 220 JA 1/10W
R348	401 038 5003	MT-GLAZE 390 JA 1/10W
R349	401 038 7502	MT-GLAZE 56 JA 1/10W
R351	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6301	401 038 7502	MT-GLAZE 56 JA 1/10W
R6302	401 038 2200	MT-GLAZE 27K JA 1/10W
R6303	401 038 2200	MT-GLAZE 27K JA 1/10W
R6304	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R6306	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6307	401 037 5202	MT-GLAZE 100 JA 1/10W
R6311	401 038 7502	MT-GLAZE 56 JA 1/10W
R6312	401 038 2200	MT-GLAZE 27K JA 1/10W
R6313	401 038 2200	MT-GLAZE 27K JA 1/10W
R6314	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R6321	401 038 7502	MT-GLAZE 56 JA 1/10W
R6322	401 038 2200	MT-GLAZE 27K JA 1/10W
R6323	401 038 2200	MT-GLAZE 27K JA 1/10W
R6324	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R6343	401 037 5202	MT-GLAZE 100 JA 1/10W
R6344	401 037 5202	MT-GLAZE 100 JA 1/10W
R6351	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6352	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6361	401 037 7800	MT-GLAZE 150 JA 1/10W
R6362	401 037 7800	MT-GLAZE 150 JA 1/10W
R6363	401 037 7800	MT-GLAZE 150 JA 1/10W
R6364	401 037 7800	MT-GLAZE 150 JA 1/10W
R6365	401 037 7800	MT-GLAZE 150 JA 1/10W
R6366	401 037 7800	MT-GLAZE 150 JA 1/10W
R6611	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6613	401 038 0800	MT-GLAZE 22K JA 1/10W
R6614	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6616	401 064 6302	OXIDE-MT 10 JA 2W
R6623	401 067 8204	OXIDE-MT 39 JA 2W
R6676	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R6677	401 037 6803	MT-GLAZE 12K JA 1/10W
R6678	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6679	401 038 5003	MT-GLAZE 390 JA 1/10W
R6681	401 038 0602	MT-GLAZE 220 JA 1/10W
R6682	401 037 5400	MT-GLAZE 1K JA 1/10W
R6683	401 037 5400	MT-GLAZE 1K JA 1/10W
R6684	401 037 5608	MT-GLAZE 10K JA 1/10W
R6685	401 038 0602	MT-GLAZE 220 JA 1/10W
R6686	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6687	401 037 5608	MT-GLAZE 10K JA 1/10W
R6688	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6689	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6691	401 037 5608	MT-GLAZE 10K JA 1/10W
R6692A	610 012 3991	JUMPER LEAD
R6851	401 038 3207	MT-GLAZE 300K JA 1/10W
R6852	401 037 5608	MT-GLAZE 10K JA 1/10W
R6853	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R6854	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6856	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6857	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6858	401 037 5400	MT-GLAZE 1K JA 1/10W
R6859	401 037 5608	MT-GLAZE 10K JA 1/10W
R6861	401 038 2309	MT-GLAZE 270K JA 1/10W
R6862	401 038 2200	MT-GLAZE 27K JA 1/10W
R6863	401 037 5608	MT-GLAZE 10K JA 1/10W
R6864	401 038 7700	MT-GLAZE 5.6K JA 1/10W

Ref. No.	Part No.	Description
R6866	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R6867	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R6868	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R6869	401 037 5400	MT-GLAZE 1K JA 1/10W
R6871	401 037 5608	MT-GLAZE 10K JA 1/10W
R801	401 037 5202	MT-GLAZE 100 JA 1/10W
R802	401 038 3504	MT-GLAZE 330 JA 1/10W
R803	401 037 5608	MT-GLAZE 10K JA 1/10W
R804	401 037 5608	MT-GLAZE 10K JA 1/10W
R805	401 038 6307	MT-GLAZE 470 JA 1/10W
R806	401 037 5608	MT-GLAZE 10K JA 1/10W
R807	401 037 5608	MT-GLAZE 10K JA 1/10W
R808	401 037 5608	MT-GLAZE 10K JA 1/10W
R809	401 037 5400	MT-GLAZE 1K JA 1/10W
R811	401 037 8005	MT-GLAZE 15K JA 1/10W
R812	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R813	401 037 5400	MT-GLAZE 1K JA 1/10W
R814	401 037 5202	MT-GLAZE 100 JA 1/10W
R816	401 037 5608	MT-GLAZE 10K JA 1/10W
R817	401 037 5400	MT-GLAZE 1K JA 1/10W
R818	401 037 5608	MT-GLAZE 10K JA 1/10W
R819	401 037 5608	MT-GLAZE 10K JA 1/10W
R821	401 037 5608	MT-GLAZE 10K JA 1/10W
R822	401 037 5608	MT-GLAZE 10K JA 1/10W
R823	401 037 6803	MT-GLAZE 12K JA 1/10W
R824	401 037 9408	MT-GLAZE 180K JA 1/10W
R826	401 038 2200	MT-GLAZE 27K JA 1/10W
R828	401 037 5608	MT-GLAZE 10K JA 1/10W
R829	401 037 5608	MT-GLAZE 10K JA 1/10W
R831	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R832	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R833	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R837	401 037 5400	MT-GLAZE 1K JA 1/10W
R838	401 037 5400	MT-GLAZE 1K JA 1/10W
R839	401 037 5400	MT-GLAZE 1K JA 1/10W
R841	401 037 5400	MT-GLAZE 1K JA 1/10W
R842	401 037 5400	MT-GLAZE 1K JA 1/10W
R843	401 037 5400	MT-GLAZE 1K JA 1/10W
R844	401 037 5400	MT-GLAZE 1K JA 1/10W
R846	401 037 5400	MT-GLAZE 1K JA 1/10W
R847	401 037 5608	MT-GLAZE 10K JA 1/10W
R849	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R851	401 037 5400	MT-GLAZE 1K JA 1/10W
R852	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R853	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R854	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R856	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R859	401 037 9309	MT-GLAZE 18K JA 1/10W
R860	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R861	401 037 5608	MT-GLAZE 10K JA 1/10W
R862	401 037 5608	MT-GLAZE 10K JA 1/10W
R863	401 037 5608	MT-GLAZE 10K JA 1/10W
R864	401 037 5608	MT-GLAZE 10K JA 1/10W
R866	401 037 5608	MT-GLAZE 10K JA 1/10W
R867	401 037 5608	MT-GLAZE 10K JA 1/10W
R868	401 037 5608	MT-GLAZE 10K JA 1/10W
R869	401 037 5608	MT-GLAZE 10K JA 1/10W
R871	401 037 5608	MT-GLAZE 10K JA 1/10W
R872	401 037 5608	MT-GLAZE 10K JA 1/10W
R873	401 037 5608	MT-GLAZE 10K JA 1/10W
R879	401 037 5608	MT-GLAZE 10K JA 1/10W
R880	401 037 5202	MT-GLAZE 100 JA 1/10W
R881	401 037 5608	MT-GLAZE 10K JA 1/10W
R882	401 037 5608	MT-GLAZE 10K JA 1/10W
R883	401 037 5608	MT-GLAZE 10K JA 1/10W
R884	401 037 5608	MT-GLAZE 10K JA 1/10W
R885	401 037 5202	MT-GLAZE 100 JA 1/10W
R886	401 037 5608	MT-GLAZE 10K JA 1/10W
R888	401 037 5608	MT-GLAZE 10K JA 1/10W
R889	401 037 5608	MT-GLAZE 10K JA 1/10W
R891	401 037 5608	MT-GLAZE 10K JA 1/10W
R892	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R893	401 037 5608	MT-GLAZE 10K JA 1/10W
R894	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R896	401 037 5608	MT-GLAZE 10K JA 1/10W
R897	401 038 7601	MT-GLAZE 560 JA 1/10W
R898	401 037 5400	MT-GLAZE 1K JA 1/10W
R899	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
COIL		
L026	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L6311	401 087 6204	CARBON 0.000 ZA 1/6W
L6312	401 087 6204	CARBON 0.000 ZA 1/6W
L804	645 008 2016	INDUCTOR, 100U J
L810TM	645 003 9669	INDUCTOR, 100U J
DIODE		
D011	407 004 8009	DIODE DSB015-TA
D066	407 004 8009	DIODE DSB015-TA
D067	407 004 8009	DIODE DSB015-TA
D068	407 004 8009	DIODE DSB015-TA
D071	407 004 8009	DIODE DSB015-TA
D072	407 004 8009	DIODE DSB015-TA
D101	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D102	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D103	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D104	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D108	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D109	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D111	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D112	407 004 8009	DIODE DSB015-TA
D113	407 004 8009	DIODE DSB015-TA
D116	407 004 8009	DIODE DSB015-TA
D117	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D121	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D122	407 071 0005	ZENER DIODE DZD12X-TA
	407 071 0104	ZENER DIODE DZD12Y-TA
	407 071 0203	ZENER DIODE DZD12Z-TA
D301	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D302	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D303	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D306	407 071 8803	ZENER DIODE DZD9.1X-TA
	407 071 8902	ZENER DIODE DZD9.1Y-TA
D311	407 071 6502	ZENER DIODE DZD5.1Y-TA
D6611	407 004 8009	DIODE DSB015-TA
D6612	407 004 8009	DIODE DSB015-TA
D6613	407 004 8009	DIODE DSB015-TA
D6615	407 071 3709	ZENER DIODE DZD22Y-TA
D6616	407 071 3709	ZENER DIODE DZD22Y-TA

Ref. No.	Part No.	Description
D6617	407 004 8009	DIODE DSB015-TA
D6619	407 004 8009	DIODE DSB015-TA
D6621	407 004 8009	DIODE DSB015-TA
D6851	407 108 3405	LED SLP-477B-51
D6851A	610 229 8888	LED HOLDER-S2AS
D6852	407 110 8801	LED SLP-177B-51
D6852A	610 229 8888	LED HOLDER-S2AS
D6853	407 098 7001	LED SLP-277B-51
D6853A	610 229 8888	LED HOLDER-S2AS
D6854	407 110 8801	LED SLP-177B-51
D6854A	610 229 8888	LED HOLDER-S2AS
D6856	407 004 8009	DIODE DSB015-TA
D801	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D802	407 071 7202	ZENER DIODE DZD6.2X-TA
	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D803	407 004 8009	DIODE DSB015-TA
MISCELLANEOUS		
IC102A	610 245 1979	AUDIO HEATSINK-E2KA
IC102B	411 003 8908	SCR PAN+SW 3X6
IC102C	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6603A	610 247 2677	HEAT SINK-S7VA
IC6603B	610 014 5818	WASHER
IC6603C	411 045 2209	SCR PAN+SW 3X10
IC6603D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6607A	610 247 2677	HEAT SINK-S7VA
IC6607B	610 014 5818	WASHER
IC6607C	411 045 2209	SCR PAN+SW 3X10
IC6607D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC6608A	610 247 2677	HEAT SINK-S7VA
IC6608B	610 014 5818	WASHER
IC6608C	411 045 2209	SCR PAN+SW 3X10
IC6608D	411 004 4404	NUT HEX 3
	411 054 7509	NUT HEX 3
IC801A	610 237 0997	IC SOCKET
IC802A	610 237 0980	IC SOCKET
K8A	645 005 8394	SOCKET, 9P
K8B	645 004 2898	PLUG, 3P
K8C	645 000 2700	SOCKET, 17P
K8D	645 000 2694	SOCKET, 19P
K8F	645 004 2911	PLUG, 5P
K8G	645 004 2911	PLUG, 5P
K8H	645 004 2904	PLUG, 4P
K8I	645 004 2928	PLUG, 6P
K8J	645 004 2911	PLUG, 5P
K8K	645 004 2904	PLUG, 4P
K8L	645 004 2898	PLUG, 3P
K8M	645 004 2935	PLUG, 7P
K8N	645 004 2898	PLUG, 3P
K8O	645 004 2904	PLUG, 4P
K8P	645 004 2911	PLUG, 5P
K8Q	645 004 2898	PLUG, 3P
K8R	645 004 2904	PLUG, 4P
K8S	645 004 2898	PLUG, 3P
K8TS	610 009 7919	SOCKET-2P
K8TS1	610 010 0862	TERMINAL PLUG
K8TS2	610 010 0862	TERMINAL PLUG
K8TTB	645 004 5387	FIXER CABLE TIES, L100
K8U	645 004 2942	PLUG, 8P
K8V	645 004 2935	PLUG, 7P
K8W	645 004 2898	PLUG, 3P
K8X	645 004 2898	PLUG, 3P

Ref. No.	Part No.	Description
K8Y	645 004 2935	PLUG, 7P
K8Z	645 004 2898	PLUG, 3P
K9TS	610 009 7797	SOCKET, 2P
K9TS1	610 009 5984	TERMINAL
K9TS2	610 009 5984	TERMINAL
⚠PC801	408 016 8803	PC PC113 (VDE0884)
PC802	408 016 8803	PC PC113 (VDE0884)
SW6851	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6852	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6853	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6854	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6856	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6857	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6858	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6859	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6861	645 003 4701	SWITCH, PUSH 1P-1TX1
SW6862	645 003 4701	SWITCH, PUSH 1P-1TX1
W004	610 012 5926	TERMINAL
X051	645 002 4337	OSC, CRYSTAL 30MHZ
X052	645 006 3343	FILTER, EMI 10000PF
X101	645 006 3350	FILTER, EMI 2200PF
X102	645 006 3350	FILTER, EMI 2200PF
X301	610 239 3347	CRYSTAL OSCILLATOR
X304	610 240 5408	CRYSTAL OSCILLATOR
X6601	645 006 3343	FILTER, EMI 10000PF
X6602	645 006 3343	FILTER, EMI 10000PF
X6603	645 006 3343	FILTER, EMI 10000PF
X801	645 000 3967	OSC, CERAMIC 6.00MHZ
X802	645 000 6692	OSC, CERAMIC 8.00MHZ
X803	610 012 3991	JUMPER LEAD
ASSY. PWB. TM M6GA		
	610 264 1691	**1AA0B10C087DA**
TRANSISTOR		
Q401	405 044 7808	TR 2SC3689-TA
Q402	405 044 7808	TR 2SC3689-TA
Q403	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q404	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q408	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q409	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q411	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q412	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
INTEGRATED CIRCUIT		
IC401	409 175 3104	IC MC74HC4066F
IC402	409 305 7804	IC MC74HCU04FR-TP-T1
IC406	409 280 5307	IC MC74F244MR
IC501	409 343 0201	IC LT1206CS8
IC502	409 343 0201	IC LT1206CS8
IC6401	409 371 6800	IC LC21050B-X41
IC6402	409 378 9002	IC LC21018B-Y15
IC6407	409 371 6701	IC LC21018B-X47
CAPACITOR		
C401	403 093 6407	OS-SOLID 100U M 10V
C402	403 069 9500	CERAMIC 0.01U Z 50V
C403	403 069 9500	CERAMIC 0.01U Z 50V
C404	403 093 6407	OS-SOLID 100U M 10V
C405	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C406	403 069 9500	CERAMIC 0.01U Z 50V

Ref. No.	Part No.	Description			
C409	403 023 3704	CERAMIC	330P	J	50V
C411	403 069 9500	CERAMIC	0.01U	Z	50V
C412	403 129 5701	ELECT	47U	M	25V
C413	403 069 5601	CERAMIC	0.01U	K	50V
C414	403 069 5601	CERAMIC	0.01U	K	50V
C415	403 109 6407	ELECT	10U	M	50V
C416	403 069 5601	CERAMIC	0.01U	K	50V
C417	403 069 5601	CERAMIC	0.01U	K	50V
C418	403 024 7107	CERAMIC	390P	J	50V
C419	403 109 6407	ELECT	10U	M	50V
C421	403 215 2003	CERAMIC	3300P	J	50V
C422TM	403 032 7403	CERAMIC	8P	D	50V
C423	403 215 2003	CERAMIC	3300P	J	50V
C424	403 155 9902	NP-ELECT	2.2U	M	50V
C425	403 058 9306	POLYESTER	0.018U	J	50V
	403 178 9507	POLYESTER	0.018U	J	50V
C428	403 069 9500	CERAMIC	0.01U	Z	50V
C429	403 093 6407	OS-SOLID	100U	M	10V
C441	403 020 5602	CERAMIC	270P	J	50V
C447	403 069 9500	CERAMIC	0.01U	Z	50V
C448	403 069 9500	CERAMIC	0.01U	Z	50V
C449	403 093 6407	OS-SOLID	100U	M	10V
C481	403 069 5601	CERAMIC	0.01U	K	50V
C482	403 192 5905	CERAMIC	0.1U	K	25V
C483	403 020 5602	CERAMIC	270P	J	50V
C486	403 093 8302	OS-SOLID	47U	M	10V
C487	403 069 9500	CERAMIC	0.01U	Z	50V
C491	403 093 8302	OS-SOLID	47U	M	10V
C492	403 069 9500	CERAMIC	0.01U	Z	50V
C493	403 020 5602	CERAMIC	270P	J	50V
C496	403 093 8302	OS-SOLID	47U	M	10V
C497	403 069 9500	CERAMIC	0.01U	Z	50V
C498	403 069 9500	CERAMIC	0.01U	Z	50V
C499	403 069 9500	CERAMIC	0.01U	Z	50V
C506	403 070 2606	CERAMIC	0.1U	Z	50V
C507	403 094 8400	OS-SOLID	15U	M	25V
C508	403 070 2606	CERAMIC	0.1U	Z	50V
C509	403 094 8400	OS-SOLID	15U	M	25V
C511	403 070 2606	CERAMIC	0.1U	Z	50V
C512	403 094 8400	OS-SOLID	15U	M	25V
C513	403 069 5601	CERAMIC	0.01U	K	50V
C514	403 135 7409	ELECT	22U	M	50V
C515	403 069 5601	CERAMIC	0.01U	K	50V
C516	403 135 7409	ELECT	22U	M	50V
C519	403 069 5601	CERAMIC	0.01U	K	50V
C520	403 208 6308	ELECT	220U	M	16V
C521	403 278 9605	CERAMIC	1U	Z	16V
C522	403 278 9605	CERAMIC	1U	Z	16V
C523	403 278 9605	CERAMIC	1U	Z	16V
C6401	403 069 9500	CERAMIC	0.01U	Z	50V
C6402	403 093 8302	OS-SOLID	47U	M	10V
C6403	403 020 5602	CERAMIC	270P	J	50V
C6404	403 020 5602	CERAMIC	270P	J	50V
C6406	403 069 9500	CERAMIC	0.01U	Z	50V
C6407	403 020 5602	CERAMIC	270P	J	50V
C6412	403 093 8302	OS-SOLID	47U	M	10V
C6421	403 020 5602	CERAMIC	270P	J	50V
C6422	403 093 8302	OS-SOLID	47U	M	10V
C6424	403 093 8302	OS-SOLID	47U	M	10V
C6426	403 069 9500	CERAMIC	0.01U	Z	50V
C6432	403 119 8408	ELECT	47U	M	50V
C6433	403 069 9500	CERAMIC	0.01U	Z	50V
C6441	403 160 0000	ELECT	470U	M	10V
C6442	403 069 9500	CERAMIC	0.01U	Z	50V
C6443	403 093 8302	OS-SOLID	47U	M	10V
C6444	403 069 9500	CERAMIC	0.01U	Z	50V
C6445	403 194 4609	ELECT	470U	M	16V
C6446	403 160 0000	ELECT	470U	M	10V
C6447	403 069 9500	CERAMIC	0.01U	Z	50V
C6448	403 069 9500	CERAMIC	0.01U	Z	50V
C6449	403 109 5707	ELECT	220U	M	25V
C6450	403 069 9500	CERAMIC	0.01U	Z	50V
C6453	403 069 9500	CERAMIC	0.01U	Z	50V
C6461	403 020 5602	CERAMIC	270P	J	50V
C6463	403 093 8302	OS-SOLID	47U	M	10V
C6464	403 069 9500	CERAMIC	0.01U	Z	50V
C6469	403 020 5602	CERAMIC	270P	J	50V
C6471	403 020 5602	CERAMIC	270P	J	50V
C6472	403 020 5602	CERAMIC	270P	J	50V
C6476	403 107 9905	ELECT	10U	M	16V
C6477	403 069 9500	CERAMIC	0.01U	Z	50V
C6478	403 009 5708	CERAMIC	100P	J	50V
C6479	403 009 5708	CERAMIC	100P	J	50V
RESISTOR					
R401	401 038 9407	MT-GLAZE	680K	JA	1/10W
R402	401 038 0701	MT-GLAZE	2.2K	JA	1/10W
R403	401 038 0701	MT-GLAZE	2.2K	JA	1/10W
R404	401 038 1005	MT-GLAZE	2.2M	JA	1/10W
R408	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R409	401 038 0602	MT-GLAZE	220	JA	1/10W
R410	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R411	401 038 6406	MT-GLAZE	4.7K	JA	1/10W
R412	401 038 6406	MT-GLAZE	4.7K	JA	1/10W
R413	401 038 2101	MT-GLAZE	2.7K	JA	1/10W
R414	401 038 6406	MT-GLAZE	4.7K	JA	1/10W
R415	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R416	401 038 2101	MT-GLAZE	2.7K	JA	1/10W
R417	401 038 7700	MT-GLAZE	5.6K	JA	1/10W
R418	401 038 7700	MT-GLAZE	5.6K	JA	1/10W
R419	401 038 0503	MT-GLAZE	22	JA	1/10W
R420	401 038 7809	MT-GLAZE	56K	JA	1/10W
R421	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R422	401 038 7700	MT-GLAZE	5.6K	JA	1/10W
R424	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R426	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R430	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R431	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R432	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R434	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R443	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R445	401 038 2507	MT-GLAZE	3.3	JA	1/10W
R447	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R449	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R450	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R451	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R455	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R458	401 038 7502	MT-GLAZE	56	JA	1/10W
R459	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R462	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R464	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R466	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R471	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R481	401 038 2002	MT-GLAZE	270	JA	1/10W
R482	401 037 6704	MT-GLAZE	1.2K	JA	1/10W
R483	401 038 0909	MT-GLAZE	220K	JA	1/10W
R484	401 038 2507	MT-GLAZE	3.3	JA	1/10W
R486	401 038 9308	MT-GLAZE	68K	JA	1/10W
R487	401 038 7809	MT-GLAZE	56K	JA	1/10W
R489	401 037 5707	MT-GLAZE	100K	JA	1/10W
R492	401 038 1005	MT-GLAZE	2.2M	JA	1/10W
R493	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R495	401 037 5004	MT-GLAZE	0.000	ZA	1/10W
R497	401 038 1401	MT-GLAZE	24K	JA	1/10W
R498	401 038 6505	MT-GLAZE	47K	JA	1/10W
R499	401 038 2507	MT-GLAZE	3.3	JA	1/10W

Ref. No.	Part No.	Description
R501	401 037 9309	MT-GLAZE 18K JA 1/10W
R502	401 038 3207	MT-GLAZE 300K JA 1/10W
R503	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R504	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R505	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R506	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R507	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R508	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R511	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R513	401 037 5202	MT-GLAZE 100 JA 1/10W
R514	401 037 5202	MT-GLAZE 100 JA 1/10W
R516	401 037 5202	MT-GLAZE 100 JA 1/10W
R517	401 037 5202	MT-GLAZE 100 JA 1/10W
R518	401 037 5202	MT-GLAZE 100 JA 1/10W
R519	401 037 5202	MT-GLAZE 100 JA 1/10W
R521	401 037 5202	MT-GLAZE 100 JA 1/10W
R522	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R523	401 037 5202	MT-GLAZE 100 JA 1/10W
R524	401 037 5202	MT-GLAZE 100 JA 1/10W
R526	401 037 5202	MT-GLAZE 100 JA 1/10W
R527	401 037 5202	MT-GLAZE 100 JA 1/10W
R529	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R532	401 037 5202	MT-GLAZE 100 JA 1/10W
R533	401 037 5202	MT-GLAZE 100 JA 1/10W
R534	401 037 5202	MT-GLAZE 100 JA 1/10W
R536	401 037 5202	MT-GLAZE 100 JA 1/10W
R537	401 037 5202	MT-GLAZE 100 JA 1/10W
R538	401 037 5202	MT-GLAZE 100 JA 1/10W
R539	401 037 5202	MT-GLAZE 100 JA 1/10W
R541	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R542	401 037 5202	MT-GLAZE 100 JA 1/10W
R543	401 037 5202	MT-GLAZE 100 JA 1/10W
R544	401 037 5202	MT-GLAZE 100 JA 1/10W
R546	401 037 5202	MT-GLAZE 100 JA 1/10W
R548	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R551	401 037 5202	MT-GLAZE 100 JA 1/10W
R552	401 037 5202	MT-GLAZE 100 JA 1/10W
R553	401 037 5202	MT-GLAZE 100 JA 1/10W
R554	401 037 5202	MT-GLAZE 100 JA 1/10W
R556	401 037 5202	MT-GLAZE 100 JA 1/10W
R557	401 037 5202	MT-GLAZE 100 JA 1/10W
R558	401 037 5202	MT-GLAZE 100 JA 1/10W
R559	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R561	401 037 5202	MT-GLAZE 100 JA 1/10W
R562	401 037 5202	MT-GLAZE 100 JA 1/10W
R563	401 037 5202	MT-GLAZE 100 JA 1/10W
R564	401 037 5202	MT-GLAZE 100 JA 1/10W
R572	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R576	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R577	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R578	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6401	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6402	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6404	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6405	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6406	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6407	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6410	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6415	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6417	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6418	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6420	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6421	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6422	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6424	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6425	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6426	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6429	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6433	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6436	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6438	401 037 6902	MT-GLAZE 120K JA 1/10W
R6439	401 038 2002	MT-GLAZE 270 JA 1/10W
R6440	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6442	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6444	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6446	401 037 6902	MT-GLAZE 120K JA 1/10W
R6447	401 038 2002	MT-GLAZE 270 JA 1/10W
R6448	401 037 6902	MT-GLAZE 120K JA 1/10W
R6449	401 038 2002	MT-GLAZE 270 JA 1/10W
R6450	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6451	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6453	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6454	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6455	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6456	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6460	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6463	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6464	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6465	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6466	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6467	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6468	401 037 6605	MT-GLAZE 120 JA 1/10W
R6469	401 037 6605	MT-GLAZE 120 JA 1/10W
R6470	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6471	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6472	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6473	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6474	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6475	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6477	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6478	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6479	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6480	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6481	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6482	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6483	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6484	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6485	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6486	401 007 6901	CARBON 15 JA 1/2W
R6487	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6488	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R6489	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6490	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6491	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6492	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6493	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6494	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6497	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6498	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6499	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6523	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6524	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6526	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6527	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6528	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6529	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6531	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6532	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6533	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6534	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6536	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6537	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6538	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6539	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6541	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6542	401 038 5508	MT-GLAZE 4.7 JA 1/10W

Ref. No.	Part No.	Description
R6543	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6544	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6556	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6557	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6561	401 037 5202	MT-GLAZE 100 JA 1/10W
R6562	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6564	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6566	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6567	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6568	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6569	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6571	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6572	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6573	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6574	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6575	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6576	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6577	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6578	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6579	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6580	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6581	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6582	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6583	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6589	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6590	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6591	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6592	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6598	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6601	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6602	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6603	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6604	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6901	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6902	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6903	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6904	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6906	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6907	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6908	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6911	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6912	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R6915	401 038 3405	MT-GLAZE 33 JA 1/10W
R6916	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6917	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6919	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6921	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6922	401 038 2507	MT-GLAZE 3.3 JA 1/10W
R6923	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6924	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6925	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6926	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6928	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6932	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6933	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6934	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6936	401 038 2309	MT-GLAZE 270K JA 1/10W
R6937	401 037 5608	MT-GLAZE 10K JA 1/10W
R6938	401 038 8608	MT-GLAZE 6.2K JA 1/10W
R6939	401 038 2309	MT-GLAZE 270K JA 1/10W
R6940	401 037 5608	MT-GLAZE 10K JA 1/10W
R6941	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6942	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6943	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6946	401 037 5400	MT-GLAZE 1K JA 1/10W
R6947	401 037 5400	MT-GLAZE 1K JA 1/10W
R6949	401 037 5202	MT-GLAZE 100 JA 1/10W
R6951	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6953	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
VARIABLE RESISTOR		
VR501	645 006 2735	VR, SEMI, 20K S
TERMINAL		
TE16	645 000 0409	TERMINAL
TE23	645 000 0409	TERMINAL
COIL		
L401	645 006 3367	FILTER, EMI 22000PF
L402	645 008 0067	INDUCTOR, 39U K
L408	645 007 9368	INDUCTOR, 0.68U M
L409	645 002 3934	FILTER, EMI 50MHZ
L421	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L423	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L501	645 014 4127	FILTER, EMI 20MHZ
L502	645 014 4127	FILTER, EMI 20MHZ
L503	645 014 4127	FILTER, EMI 20MHZ
L6401	645 006 3367	FILTER, EMI 22000PF
L6402	645 002 3934	FILTER, EMI 50MHZ
L6406	645 014 4127	FILTER, EMI 20MHZ
L6407	645 014 4127	FILTER, EMI 20MHZ
L6408	645 014 4127	FILTER, EMI 20MHZ
L6409	645 014 4127	FILTER, EMI 20MHZ
L6412	610 229 1315	LC BLOCK
L6421	645 006 3367	FILTER, EMI 22000PF
L6422	645 006 3367	FILTER, EMI 22000PF
L6423	645 002 3934	FILTER, EMI 50MHZ
L6424	645 002 3934	FILTER, EMI 50MHZ
L6425	645 014 4127	FILTER, EMI 20MHZ
L6426	645 014 4127	FILTER, EMI 20MHZ
L6427	645 014 4127	FILTER, EMI 20MHZ
L6429	645 014 4127	FILTER, EMI 20MHZ
L6430	645 014 4127	FILTER, EMI 20MHZ
L6431	645 014 4127	FILTER, EMI 20MHZ
L6432	645 014 4127	FILTER, EMI 20MHZ
L6433	645 014 4127	FILTER, EMI 20MHZ
L6434	645 014 4127	FILTER, EMI 20MHZ
L6435	645 014 4127	FILTER, EMI 20MHZ
L6436	645 014 4127	FILTER, EMI 20MHZ
L6441	645 014 4127	FILTER, EMI 20MHZ
L6442	645 014 4127	FILTER, EMI 20MHZ
L6501	645 002 3934	FILTER, EMI 50MHZ
L6502	645 002 3934	FILTER, EMI 50MHZ
L6503	645 002 3934	FILTER, EMI 50MHZ
L6504	645 002 3934	FILTER, EMI 50MHZ
L6505	645 002 3934	FILTER, EMI 50MHZ
L6506	645 002 3934	FILTER, EMI 50MHZ
L6507	645 002 3934	FILTER, EMI 50MHZ
L6508	645 002 3934	FILTER, EMI 50MHZ
L6509	645 002 3934	FILTER, EMI 50MHZ
L6510	645 002 3934	FILTER, EMI 50MHZ
L6511	645 002 3934	FILTER, EMI 50MHZ
L6512	645 002 3934	FILTER, EMI 50MHZ
L6513	645 002 3934	FILTER, EMI 50MHZ
L6514	645 002 3934	FILTER, EMI 50MHZ
L6515	645 002 3934	FILTER, EMI 50MHZ
L6516	645 002 3934	FILTER, EMI 50MHZ
L6517	645 002 3934	FILTER, EMI 50MHZ
L6518	645 002 3934	FILTER, EMI 50MHZ
L6519	645 002 3934	FILTER, EMI 50MHZ
L6520	645 002 3934	FILTER, EMI 50MHZ
L6521	645 002 3934	FILTER, EMI 50MHZ
L6522	645 002 3934	FILTER, EMI 50MHZ
L6525	645 002 3934	FILTER, EMI 50MHZ
L6530	645 002 3934	FILTER, EMI 50MHZ
L6531	645 014 4127	FILTER, EMI 20MHZ

Ref. No.	Part No.	Description
L6532	645 014 4127	FILTER, EMI 20MHZ
L6533	645 002 3934	FILTER, EMI 50MHZ
L6534	645 014 4127	FILTER, EMI 20MHZ
L6535	645 014 4127	FILTER, EMI 20MHZ
L6536	645 014 4127	FILTER, EMI 20MHZ
L6537	645 014 4127	FILTER, EMI 20MHZ
L6538	645 014 4127	FILTER, EMI 20MHZ
L6540	645 002 3934	FILTER, EMI 50MHZ
L6545	645 002 3934	FILTER, EMI 50MHZ
L6550	645 002 3934	FILTER, EMI 50MHZ
DIODE		
D401	407 082 1909	VARACTOR DI 1T363-T8
D402	407 082 1909	VARACTOR DI 1T363-T8
D403	407 082 1909	VARACTOR DI 1T363-T8
D406	407 082 1909	VARACTOR DI 1T363-T8
D6401	407 048 3206	ZENER DIODE EQA02-07A
	407 057 4102	ZENER DIODE RD6.8EB2
	407 151 8709	ZENER DIODE UZ-6.8BCB
D6402	407 004 8009	DIODE DSB015-TA
D6403	407 004 8009	DIODE DSB015-TA
D6406	407 048 3206	ZENER DIODE EQA02-07A
	407 057 4102	ZENER DIODE RD6.8EB2
	407 151 8709	ZENER DIODE UZ-6.8BCB
D6407	407 004 8009	DIODE DSB015-TA
D6408	407 004 8009	DIODE DSB015-TA
D6409	407 004 8009	DIODE DSB015-TA
MISCELLANEOUS		
TP13	645 000 0409	TERMINAL
TP14	645 000 0409	TERMINAL
TP16	645 000 0409	TERMINAL
TP17	645 000 0409	TERMINAL
TP18	645 000 0409	TERMINAL
TP19	645 000 0409	TERMINAL
TP21	645 000 0409	TERMINAL
TP22	645 000 0409	TERMINAL
TP24	645 000 0409	TERMINAL
TP25	645 000 0409	TERMINAL
TP26	645 000 0409	TERMINAL
TP27	645 000 0409	TERMINAL
TP28	645 000 0409	TERMINAL
TP29	645 000 0409	TERMINAL
TP30	645 000 0409	TERMINAL
K4A	645 004 2935	PLUG, 7P
K4B	645 004 2911	PLUG, 5P
K4C	645 004 2942	PLUG, 8P
K4D	645 004 2898	PLUG, 3P
K4E	645 004 2898	PLUG, 3P
K4F	645 004 2904	PLUG, 4P
K4G	645 004 2928	PLUG, 6P
K4I	645 004 2928	PLUG, 6P
K4L	645 004 2911	PLUG, 5P
K4M	645 004 2898	PLUG, 3P
K41A	645 003 3957	SOCKET, 30P
K41B	645 014 3083	SOCKET, 20P
K5B	645 015 7882	SOCKET, FPC 24P
K5G	645 015 7882	SOCKET, FPC 24P
K5R	645 015 7882	SOCKET, FPC 24P
ASSY. PWB. SUB POWER P6GA 610 264 5057 1AA0B10C087EB		
VARISTOR		
△VA2001	407 130 2902	VARISTOR ENC471D-14A
VA2001A	610 250 8703	COVER, CONDENCER-G8DV

Ref. No.	Part No.	Description
MISCELLANEOUS		
△F2000	423 022 2102	FUSE 250V 4A
F2000A	645 000 5077	HOLDER, FUSE
F2000B	645 000 5077	HOLDER, FUSE
F2000C	610 258 4370	LABEL FUSE-P6BA
△SW2001	645 005 0510	SWITCH, POWER 2P-2TX2
ASSY. PWB. SCAN CHANGE M6GA 610 264 9239 1AA0B10C091B0		
TRANSISTOR		
Q2001	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2002	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2003	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2101	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2102	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2103	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2104	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2106	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2107	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2108	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2109	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2111	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2112	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2113	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2114	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2201	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2202	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2203	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2204	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2206	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2207	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2208	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2209	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2211	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
Q2212	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2213	405 002 6706	TR 2SA1179-M6-TA
	405 002 6904	TR 2SA1179-M7-TA
Q2214	405 015 8704	TR 2SC2812-L6-TA
	405 015 8902	TR 2SC2812-L7-TA
INTEGRATED CIRCUIT		
IC2001	409 378 8906	IC LC21018B-Y14

Ref. No.	Part No.	Description
IC2003	409 375 2303	IC MC74HC240FR-TP-T1
IC2004	409 305 7804	IC MC74HCU04FR-TP-T1
IC2006	409 305 7903	IC MC74HC244FR-TP-T1
IC2101	410 153 2200	IC MB40978PF-G-BND
IC2102	409 367 2809	IC BA178M09T
IC2201	409 375 2204	IC MC44250FN
IC2202	409 271 3701	IC SN74LS157M
IC2203	409 271 3701	IC SN74LS157M
IC2204	410 252 7403	IC UPD485506G5-35-7JF
IC2206	410 252 7403	IC UPD485506G5-35-7JF
CAPACITOR		
C2001	403 070 2606	CERAMIC 0.1U Z 50V
C2002	403 070 2606	CERAMIC 0.1U Z 50V
C2003	403 070 2606	CERAMIC 0.1U Z 50V
C2004	403 069 9500	CERAMIC 0.01U Z 50V
C2006	403 070 2606	CERAMIC 0.1U Z 50V
C2007	403 306 0000	CERAMIC 330P J 50V
C2008	403 020 0607	CERAMIC 27P J 50V
C2009	403 069 5601	CERAMIC 0.01U K 50V
C2011	403 067 5702	MT-COMPO 1U J 50V
C2012	403 059 3006	POLYESTER 2200P J 50V
	403 179 2705	POLYESTER 2200P J 50V
C2014	403 069 9500	CERAMIC 0.01U Z 50V
C2015	403 042 3006	ELECT 100U M 16V
C2016	403 018 0503	CERAMIC 22P J 50V
C2017	403 012 7300	CERAMIC 15P J 50V
C2018	403 012 7300	CERAMIC 15P J 50V
C2019	403 214 5203	POLYESTER 0.012U J 50V
C2022	403 056 7304	POLYESTER 1000P J 50V
C2023	403 059 3006	POLYESTER 2200P J 50V
C2024	403 067 5702	MT-COMPO 1U J 50V
C2026	403 069 9500	CERAMIC 0.01U Z 50V
C2027	403 070 2606	CERAMIC 0.1U Z 50V
C2028	403 058 7609	POLYESTER 1800P J 50V
C2029	403 042 3006	ELECT 100U M 16V
C2101	403 050 7102	ELECT 3.3U M 50V
C2102	403 069 5601	CERAMIC 0.01U K 50V
C2103	403 014 3508	CERAMIC 18P J 50V
C2104	403 020 0508	CERAMIC 27P J 50V
C2106	403 010 8606	CERAMIC 12P J 50V
C2108	403 014 3508	CERAMIC 18P J 50V
C2109	403 020 0508	CERAMIC 27P J 50V
C2111	403 010 8606	CERAMIC 12P J 50V
C2113	403 014 3508	CERAMIC 18P J 50V
C2114	403 020 0508	CERAMIC 27P J 50V
C2116	403 010 8606	CERAMIC 12P J 50V
C2117	403 009 5708	CERAMIC 100P J 50V
C2118	403 042 3006	ELECT 100U M 16V
C2119	403 069 9500	CERAMIC 0.01U Z 50V
C2121	403 050 0509	ELECT 2.2U M 50V
C2122	403 069 9500	CERAMIC 0.01U Z 50V
C2123	403 069 9500	CERAMIC 0.01U Z 50V
C2124	403 269 2608	ELECT 330U M 6.3V
C2126	403 069 9500	CERAMIC 0.01U Z 50V
C2127	403 269 2608	ELECT 330U M 6.3V
C2128	403 069 9500	CERAMIC 0.01U Z 50V
C2129	403 269 2608	ELECT 330U M 6.3V
C2131	403 069 9500	CERAMIC 0.01U Z 50V
C2132	403 269 2707	ELECT 220U M 10V
C2201	403 043 9601	ELECT 47U M 16V
C2202	403 024 2102	CERAMIC 39P J 50V
C2203	403 067 5603	MT-COMPO 0.1U J 50V
C2204	403 042 3006	ELECT 100U M 16V
C2206	403 069 9500	CERAMIC 0.01U Z 50V
C2207	403 067 5603	MT-COMPO 0.1U J 50V
C2208	403 043 9601	ELECT 47U M 16V
C2209	403 067 5603	MT-COMPO 0.1U J 50V

Ref. No.	Part No.	Description
C2211	403 070 2606	CERAMIC 0.1U Z 50V
C2212	403 042 3006	ELECT 100U M 16V
C2213	403 070 2606	CERAMIC 0.1U Z 50V
C2214	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2215	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
C2216	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2217	403 009 5708	CERAMIC 100P J 50V
C2218	403 061 7504	POLYESTER 4700P J 50V
	403 179 1203	POLYESTER 4700P J 50V
C2219	403 009 5708	CERAMIC 100P J 50V
C2221	403 009 5708	CERAMIC 100P J 50V
C2222	403 042 3006	ELECT 100U M 16V
C2223	403 070 2606	CERAMIC 0.1U Z 50V
C2224	403 069 9500	CERAMIC 0.01U Z 50V
C2227	403 043 9601	ELECT 47U M 16V
C2301	403 070 2606	CERAMIC 0.1U Z 50V
C2302	403 042 3006	ELECT 100U M 16V
C2304	403 070 2606	CERAMIC 0.1U Z 50V
C2306	403 070 2606	CERAMIC 0.1U Z 50V
C2308	403 070 2606	CERAMIC 0.1U Z 50V
RESISTOR		
R2001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2005	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2006	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2007	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2008	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2009	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2010	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2013	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2014	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2015	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2016	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2017	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2018	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2021	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2022	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2023	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2024	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2026	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2028	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2029	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2031	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2032	401 037 8005	MT-GLAZE 15K JA 1/10W
R2033	401 038 5300	MT-GLAZE 39K JA 1/10W
R2034	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2036	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2037	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2038	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2039	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2041	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2042	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2043	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2044	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2046	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2047	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2049	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2051	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2052	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2054	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2058	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2059	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2061	401 038 9407	MT-GLAZE 680K JA 1/10W

Ref. No.	Part No.	Description
R2062	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2064	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2065	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2066	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2067	401 038 0503	MT-GLAZE 22 JA 1/10W
R2068	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2069	401 037 5608	MT-GLAZE 10K JA 1/10W
R2071	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R2072	401 038 0800	MT-GLAZE 22K JA 1/10W
R2073	401 037 5608	MT-GLAZE 10K JA 1/10W
R2074	401 037 5608	MT-GLAZE 10K JA 1/10W
R2077	401 037 5202	MT-GLAZE 100 JA 1/10W
R2078	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2079	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2081	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2082	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2083	401 038 7502	MT-GLAZE 56 JA 1/10W
R2084	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2086	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2087	401 037 5707	MT-GLAZE 100K JA 1/10W
R2088	401 037 5608	MT-GLAZE 10K JA 1/10W
R2089	401 038 0800	MT-GLAZE 22K JA 1/10W
R2091	401 037 6506	MT-GLAZE 12 JA 1/10W
R2092	401 039 0502	MT-GLAZE 82K JA 1/10W
R2094	401 037 8005	MT-GLAZE 15K JA 1/10W
R2096	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R2097	401 037 5608	MT-GLAZE 10K JA 1/10W
R2098	401 037 5608	MT-GLAZE 10K JA 1/10W
R2099	401 038 0800	MT-GLAZE 22K JA 1/10W
R2101	401 038 7502	MT-GLAZE 56 JA 1/10W
R2104	401 037 5400	MT-GLAZE 1K JA 1/10W
R2106	401 037 5400	MT-GLAZE 1K JA 1/10W
R2107	401 037 5400	MT-GLAZE 1K JA 1/10W
R2108	401 038 6307	MT-GLAZE 470 JA 1/10W
R2109	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2111	401 038 6307	MT-GLAZE 470 JA 1/10W
R2112	401 037 5400	MT-GLAZE 1K JA 1/10W
R2114	401 037 5202	MT-GLAZE 100 JA 1/10W
R2116	401 038 7502	MT-GLAZE 56 JA 1/10W
R2119	401 037 5400	MT-GLAZE 1K JA 1/10W
R2121	401 037 5400	MT-GLAZE 1K JA 1/10W
R2122	401 037 5400	MT-GLAZE 1K JA 1/10W
R2123	401 038 6307	MT-GLAZE 470 JA 1/10W
R2124	401 037 5400	MT-GLAZE 1K JA 1/10W
R2126	401 038 6307	MT-GLAZE 470 JA 1/10W
R2127	401 037 5400	MT-GLAZE 1K JA 1/10W
R2129	401 037 5202	MT-GLAZE 100 JA 1/10W
R2131	401 038 7502	MT-GLAZE 56 JA 1/10W
R2134	401 037 5400	MT-GLAZE 1K JA 1/10W
R2136	401 037 5400	MT-GLAZE 1K JA 1/10W
R2137	401 037 5400	MT-GLAZE 1K JA 1/10W
R2138	401 038 6307	MT-GLAZE 470 JA 1/10W
R2139	401 037 9101	MT-GLAZE 180 JA 1/10W
R2141	401 038 9001	MT-GLAZE 680 JA 1/10W
R2142	401 038 6307	MT-GLAZE 470 JA 1/10W
R2143	401 037 5400	MT-GLAZE 1K JA 1/10W
R2145	401 037 5202	MT-GLAZE 100 JA 1/10W
R2146	401 037 5202	MT-GLAZE 100 JA 1/10W
R2148	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2149	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2153	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2158	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2202	401 038 7502	MT-GLAZE 56 JA 1/10W
R2203	401 038 2200	MT-GLAZE 27K JA 1/10W
R2204	401 037 5608	MT-GLAZE 10K JA 1/10W
R2206	401 038 6307	MT-GLAZE 470 JA 1/10W
R2207	401 037 5400	MT-GLAZE 1K JA 1/10W
R2208	401 038 6307	MT-GLAZE 470 JA 1/10W
R2209	401 038 3504	MT-GLAZE 330 JA 1/10W
R2211	401 037 5400	MT-GLAZE 1K JA 1/10W
R2213	401 037 5400	MT-GLAZE 1K JA 1/10W
R2214	401 037 5608	MT-GLAZE 10K JA 1/10W
R2216	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2217	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2219	401 038 7502	MT-GLAZE 56 JA 1/10W
R2221	401 038 2200	MT-GLAZE 27K JA 1/10W
R2222	401 037 5608	MT-GLAZE 10K JA 1/10W
R2223	401 038 6307	MT-GLAZE 470 JA 1/10W
R2224	401 038 5003	MT-GLAZE 390 JA 1/10W
R2226	401 038 6307	MT-GLAZE 470 JA 1/10W
R2227	401 037 5400	MT-GLAZE 1K JA 1/10W
R2231	401 038 5003	MT-GLAZE 390 JA 1/10W
R2232	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2233	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2234	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2237	401 038 7502	MT-GLAZE 56 JA 1/10W
R2238	401 038 2200	MT-GLAZE 27K JA 1/10W
R2239	401 037 5608	MT-GLAZE 10K JA 1/10W
R2241	401 038 6307	MT-GLAZE 470 JA 1/10W
R2242	401 038 7601	MT-GLAZE 560 JA 1/10W
R2243	401 038 6307	MT-GLAZE 470 JA 1/10W
R2244	401 037 5400	MT-GLAZE 1K JA 1/10W
R2248	401 038 5003	MT-GLAZE 390 JA 1/10W
R2249	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2251	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2252	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2283	401 038 7205	MT-GLAZE 5.1K JA 1/10W
R2284	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2286	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2287	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2288	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2289	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2291	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2292	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2293	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
TERMINAL		
TE20	645 000 0409	TERMINAL
TE21	645 000 0409	TERMINAL
TRANSFORMER		
T2001	645 017 7514	TRANS, OSC, 28.63MHZ
COIL		
L2001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2002	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2003	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2004	645 001 5595	INDUCTOR, 0.82U M
L2006	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2007	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2008	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2009	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2011	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2012	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2013	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2101	645 001 4802	INDUCTOR, 18U K
L2102	645 001 4802	INDUCTOR, 18U K
L2103	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2104	645 001 4802	INDUCTOR, 18U K
L2106	645 001 4802	INDUCTOR, 18U K
L2107	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2108	645 001 4802	INDUCTOR, 18U K
L2109	645 001 4802	INDUCTOR, 18U K
L2111	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2112	645 006 3367	FILTER, EMI 22000PF
L2113	610 229 1315	LC BLOCK

Ref. No.	Part No.	Description
L2114	645 006 3367	FILTER, EMI 22000PF
L2117	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2201	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2202	645 011 1389	FILTER, LP 7MHZ
L2203	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2204	645 003 8808	FILTER, LP 3.5MHZ
L2206	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
L2207	645 003 8808	FILTER, LP 3.5MHZ
DIODE		
D2001	407 082 1800	VARACTOR DI 1T362-T8
D2005	407 091 2102	VARACTOR DI SVC201SPA
MISCELLANEOUS		
TP20F	645 000 0409	TERMINAL
TP20G	645 000 0409	TERMINAL
K22A	645 004 2911	PLUG, 5P
K22E	645 004 2898	PLUG, 3P
K22G	645 004 2911	PLUG, 5P
K22H	645 004 2904	PLUG, 4P
K22M	645 004 2898	PLUG, 3P
K22W	645 004 2898	PLUG, 3P
ASSY, PWB, SIGNAL P6GA		
610 264 1714 1AA0B10C095A0		
TRANSISTOR		
Q201	405 015 8704	TR 2SC2812-L6-TA
Q202	405 015 8704	TR 2SC2812-L6-TA
Q203	405 015 8704	TR 2SC2812-L6-TA
Q241	405 015 8704	TR 2SC2812-L6-TA
Q242	405 015 8704	TR 2SC2812-L6-TA
Q243	405 015 8704	TR 2SC2812-L6-TA
Q313	405 002 6706	TR 2SA1179-M6-TA
Q314	405 015 8704	TR 2SC2812-L6-TA
Q316	405 015 8704	TR 2SC2812-L6-TA
Q317	405 015 8704	TR 2SC2812-L6-TA
Q318	405 002 6706	TR 2SA1179-M6-TA
Q319	405 002 6706	TR 2SA1179-M6-TA
Q321	405 002 6706	TR 2SA1179-M6-TA
Q370TM	405 011 7404	TR 2SC1740-R
	405 011 7503	TR 2SC1740-S
	405 012 2002	TR 2SC1815-GR
	405 019 2708	TR 2SC536-F-NP
	405 019 3804	TR 2SC536-G-NP
	405 020 7501	TR 2SC945A-PA
Q6301	405 015 8704	TR 2SC2812-L6-TA
Q6306	405 015 8704	TR 2SC2812-L6-TA
Q6311	405 015 8704	TR 2SC2812-L6-TA
Q6316	405 015 8704	TR 2SC2812-L6-TA
Q6321	405 015 8704	TR 2SC2812-L6-TA
Q6326	405 015 8704	TR 2SC2812-L6-TA
Q6331	405 015 8704	TR 2SC2812-L6-TA
Q6336	405 015 8704	TR 2SC2812-L6-TA
Q6341	405 015 8704	TR 2SC2812-L6-TA
Q6346	405 015 8704	TR 2SC2812-L6-TA
Q6351	405 015 8704	TR 2SC2812-L6-TA
Q6356	405 015 8704	TR 2SC2812-L6-TA
Q6361	405 015 8704	TR 2SC2812-L6-TA
Q6366	405 015 8704	TR 2SC2812-L6-TA
Q6371	405 015 8704	TR 2SC2812-L6-TA
Q6376	405 015 8704	TR 2SC2812-L6-TA
Q6381	405 015 8704	TR 2SC2812-L6-TA
Q6386	405 015 8704	TR 2SC2812-L6-TA
Q7303	405 015 8704	TR 2SC2812-L6-TA
Q7306	405 015 8704	TR 2SC2812-L6-TA

Ref. No.	Part No.	Description
INTEGRATED CIRCUIT		
IC201	409 343 0102	IC IR3Y07
IC251	410 230 9702	IC UPC5024GF-036
IC252	410 230 9702	IC UPC5024GF-036
IC351	409 284 0704	IC CXA1420P
IC352	409 356 4203	IC TDA4680/V6
IC6201	409 350 3400	IC LT1253CS8
IC6202	409 350 3400	IC LT1253CS8
IC6203	409 350 3400	IC LT1253CS8
IC6204	409 083 8000	IC LA6082M-TP-T1
IC6205	409 350 3400	IC LT1253CS8
IC6206	409 350 3400	IC LT1253CS8
IC6207	409 350 3400	IC LT1253CS8
IC6209	409 350 3400	IC LT1253CS8
IC6210	409 350 3400	IC LT1253CS8
IC6211	409 350 3400	IC LT1253CS8
IC7221	409 367 2809	IC BA178M09T
IC7222	409 314 1008	IC PQ30RV31
IC7223	409 365 2801	IC BA178M08T
IC7301	409 083 8000	IC LA6082M-TP-T1
CAPACITOR		
C201	403 107 9509	ELECT 100U M 10V
C202	403 069 9500	CERAMIC 0.01U Z 50V
C203	403 107 9509	ELECT 100U M 10V
C205	403 258 3302	ELECT 33U M 16V
C206	403 069 9500	CERAMIC 0.01U Z 50V
C207	403 069 9500	CERAMIC 0.01U Z 50V
C208	403 069 9500	CERAMIC 0.01U Z 50V
C209	403 067 5603	MT-COMPO 0.1U J 50V
C210	403 258 3302	ELECT 33U M 16V
C211	403 069 9500	CERAMIC 0.01U Z 50V
C212	403 069 9500	CERAMIC 0.01U Z 50V
C213	403 067 5603	MT-COMPO 0.1U J 50V
C214	403 067 5603	MT-COMPO 0.1U J 50V
C215	403 067 5603	MT-COMPO 0.1U J 50V
C216	403 067 5603	MT-COMPO 0.1U J 50V
C217	403 067 5603	MT-COMPO 0.1U J 50V
C218	403 067 5603	MT-COMPO 0.1U J 50V
C219	403 018 0701	CERAMIC 22P J 50V
C221	403 018 0701	CERAMIC 22P J 50V
C222	403 018 0701	CERAMIC 22P J 50V
C223	403 069 9500	CERAMIC 0.01U Z 50V
C224	403 067 5603	MT-COMPO 0.1U J 50V
C225	403 067 5603	MT-COMPO 0.1U J 50V
C226	403 069 9500	CERAMIC 0.01U Z 50V
C227	403 069 9500	CERAMIC 0.01U Z 50V
C228	403 069 9500	CERAMIC 0.01U Z 50V
C229	403 069 9500	CERAMIC 0.01U Z 50V
C231	403 021 0200	CERAMIC 3P C 50V
C232	403 028 4102	CERAMIC 56P J 50V
C233	403 028 4102	CERAMIC 56P J 50V
C234	403 021 0200	CERAMIC 3P C 50V
C236	403 021 0200	CERAMIC 3P C 50V
C237	403 028 4102	CERAMIC 56P J 50V
C239	403 069 9500	CERAMIC 0.01U Z 50V
C242	403 205 4604	ELECT 10U K 25V
C243	403 069 9500	CERAMIC 0.01U Z 50V
C245	403 109 5707	ELECT 220U M 25V
C251	403 256 2406	CERAMIC 0.22U Z 50V
C252	403 256 2406	CERAMIC 0.22U Z 50V
C253	403 256 2406	CERAMIC 0.22U Z 50V
C254	403 256 2406	CERAMIC 0.22U Z 50V
C255	403 256 2406	CERAMIC 0.22U Z 50V
C256	403 256 2406	CERAMIC 0.22U Z 50V
C257	403 256 2406	CERAMIC 0.22U Z 50V
C258	403 256 2406	CERAMIC 0.22U Z 50V
C259	403 256 2406	CERAMIC 0.22U Z 50V

Ref. No.	Part No.	Description		
C260	403 256 2406	CERAMIC	0.22U Z	50V
C261	403 256 2406	CERAMIC	0.22U Z	50V
C262	403 256 2406	CERAMIC	0.22U Z	50V
C263	403 256 2406	CERAMIC	0.22U Z	50V
C264	403 256 2406	CERAMIC	0.22U Z	50V
C265	403 256 2406	CERAMIC	0.22U Z	50V
C266	403 256 2406	CERAMIC	0.22U Z	50V
C267	403 256 2406	CERAMIC	0.22U Z	50V
C268	403 256 2406	CERAMIC	0.22U Z	50V
C351	403 069 9500	CERAMIC	0.01U Z	50V
C352	403 248 1608	ELECT	47U M	16V
C353	403 248 2001	ELECT	4.7U M	25V
C354	403 257 0807	ELECT	0.47U M	50V
C356	403 085 4008	NP-ELECT	10U M	16V
C357	403 085 4008	NP-ELECT	10U M	16V
C358	403 134 5901	ELECT	33U M	16V
C359	403 085 4008	NP-ELECT	10U M	16V
C361	403 085 4008	NP-ELECT	10U M	16V
C362	403 107 9905	ELECT	10U M	16V
C363	403 107 9905	ELECT	10U M	16V
C364	403 094 0008	OS-SOLID	10U M	16V
C366	403 192 5905	CERAMIC	0.1U K	25V
C367	403 067 5603	MT-COMPO	0.1U J	50V
C368	403 067 5603	MT-COMPO	0.1U J	50V
C369	403 067 5603	MT-COMPO	0.1U J	50V
C370TM	403 028 9800	CERAMIC	560P J	50V
C371	403 067 5603	MT-COMPO	0.1U J	50V
C372	403 067 5603	MT-COMPO	0.1U J	50V
C373	403 067 5603	MT-COMPO	0.1U J	50V
C374	403 067 5603	MT-COMPO	0.1U J	50V
C376	403 067 5603	MT-COMPO	0.1U J	50V
C377	403 067 5603	MT-COMPO	0.1U J	50V
C378	403 049 0800	ELECT	1U M	50V
C379	403 067 7300	MT-COMPO	0.33U J	50V
C381	403 012 6808	CERAMIC	15P J	50V
C383	403 067 6709	MT-COMPO	0.22U J	50V
C384	403 012 6808	CERAMIC	15P J	50V
C387	403 067 6709	MT-COMPO	0.22U J	50V
C388	403 012 6808	CERAMIC	15P J	50V
C391	403 067 6709	MT-COMPO	0.22U J	50V
C392	403 069 9500	CERAMIC	0.01U Z	50V
C393	403 125 5606	ELECT	100U M	16V
C396	403 125 5606	ELECT	100U M	16V
C397	403 069 9500	CERAMIC	0.01U Z	50V
C6201	403 134 5505	ELECT	10U M	25V
C6202	403 134 5505	ELECT	10U M	25V
C6205	403 134 5505	ELECT	10U M	25V
C6207	403 134 5505	ELECT	10U M	25V
C6209	403 134 5505	ELECT	10U M	25V
C6210	403 134 5505	ELECT	10U M	25V
C6213	403 107 9905	ELECT	10U M	16V
C6214	403 134 5505	ELECT	10U M	25V
C6215	403 134 5505	ELECT	10U M	25V
C6219	403 134 5505	ELECT	10U M	25V
C6220	403 134 5505	ELECT	10U M	25V
C6222	403 134 5505	ELECT	10U M	25V
C6223	403 134 5505	ELECT	10U M	25V
C6227	403 134 5505	ELECT	10U M	25V
C6228	403 134 5505	ELECT	10U M	25V
C6231	403 134 5505	ELECT	10U M	25V
C6232	403 134 5505	ELECT	10U M	25V
C6235	403 134 5505	ELECT	10U M	25V
C6236	403 134 5505	ELECT	10U M	25V
C6241	403 107 9905	ELECT	10U M	16V
C6301	403 020 0409	CERAMIC	27P J	50V
C6304	403 069 9500	CERAMIC	0.01U Z	50V
C6306	403 020 0409	CERAMIC	27P J	50V
C6311	403 020 0409	CERAMIC	27P J	50V
C6314	403 069 9500	CERAMIC	0.01U Z	50V
C6316	403 020 0409	CERAMIC	27P J	50V
C6321	403 020 0409	CERAMIC	27P J	50V
C6324	403 069 9500	CERAMIC	0.01U Z	50V
C6326	403 020 0409	CERAMIC	27P J	50V
C6329	403 199 3102	ELECT	1000U M	10V
C6331	403 020 0409	CERAMIC	27P J	50V
C6334	403 069 9500	CERAMIC	0.01U Z	50V
C6336	403 020 0409	CERAMIC	27P J	50V
C6341	403 020 0409	CERAMIC	27P J	50V
C6344	403 069 9500	CERAMIC	0.01U Z	50V
C6346	403 020 0409	CERAMIC	27P J	50V
C6351	403 020 0409	CERAMIC	27P J	50V
C6354	403 069 9500	CERAMIC	0.01U Z	50V
C6356	403 020 0409	CERAMIC	27P J	50V
C6359	403 199 3102	ELECT	1000U M	10V
C6361	403 020 0409	CERAMIC	27P J	50V
C6364	403 069 9500	CERAMIC	0.01U Z	50V
C6366	403 020 0409	CERAMIC	27P J	50V
C6371	403 020 0409	CERAMIC	27P J	50V
C6374	403 069 9500	CERAMIC	0.01U Z	50V
C6376	403 020 0409	CERAMIC	27P J	50V
C6381	403 020 0409	CERAMIC	27P J	50V
C6384	403 069 9500	CERAMIC	0.01U Z	50V
C6386	403 020 0409	CERAMIC	27P J	50V
C6389	403 199 3102	ELECT	1000U M	10V
C7221	403 069 9500	CERAMIC	0.01U Z	50V
C7222	403 109 5707	ELECT	220U M	25V
C7223	403 056 7304	POLYESTER	1000P J	50V
C7224	403 069 9500	CERAMIC	0.01U Z	50V
C7226	403 107 9509	ELECT	100U M	10V
C7227	403 125 5606	ELECT	100U M	16V
C7231	403 094 8004	OS-SOLID	10U M	25V
C7232	403 094 8004	OS-SOLID	10U M	25V
C7233	403 094 8004	OS-SOLID	10U M	25V
C7241	403 107 9509	ELECT	100U M	10V
C7242	403 069 9500	CERAMIC	0.01U Z	50V
C7243	403 069 9500	CERAMIC	0.01U Z	50V
C7244	403 109 5707	ELECT	220U M	25V
C7246	403 205 4604	ELECT	10U K	25V
C7247	403 069 9500	CERAMIC	0.01U Z	50V
C7248	403 205 4604	ELECT	10U K	25V
C7249	403 069 9500	CERAMIC	0.01U Z	50V
C7251	403 125 5606	ELECT	100U M	16V
C7252	403 107 9905	ELECT	10U M	16V
C7253	403 085 6804	NP-ELECT	47U M	16V
C7254	403 107 9905	ELECT	10U M	16V
C7256	403 024 2300	CERAMIC	39P J	50V
C7257	403 024 2300	CERAMIC	39P J	50V
C7258	403 125 5606	ELECT	100U M	16V
C7259	403 125 5606	ELECT	100U M	16V
C7261	403 107 9905	ELECT	10U M	16V
C7262	403 085 6804	NP-ELECT	47U M	16V
C7263	403 107 9905	ELECT	10U M	16V
C7264	403 024 2300	CERAMIC	39P J	50V
C7266	403 024 2300	CERAMIC	39P J	50V
C7267	403 125 5606	ELECT	100U M	16V
C7268	403 125 5606	ELECT	100U M	16V
C7269	403 107 9905	ELECT	10U M	16V
C7271	403 085 6804	NP-ELECT	47U M	16V
C7272	403 107 9905	ELECT	10U M	16V
C7273	403 024 2300	CERAMIC	39P J	50V
C7274	403 024 2300	CERAMIC	39P J	50V
C7281	403 256 2406	CERAMIC	0.22U Z	50V
C7282	403 256 2406	CERAMIC	0.22U Z	50V
C7283	403 256 2406	CERAMIC	0.22U Z	50V
C7284	403 256 2406	CERAMIC	0.22U Z	50V
C7285	403 256 2406	CERAMIC	0.22U Z	50V

Ref. No.	Part No.	Description
C7286	403 256 2406	CERAMIC 0.22U Z 50V
C7287	403 256 2406	CERAMIC 0.22U Z 50V
C7288	403 256 2406	CERAMIC 0.22U Z 50V
C7289	403 256 2406	CERAMIC 0.22U Z 50V
C7291	403 029 7409	CERAMIC 6P D 50V
C7292	403 029 7409	CERAMIC 6P D 50V
C7293	403 029 7409	CERAMIC 6P D 50V
C7294	403 029 7409	CERAMIC 6P D 50V
C7296	403 029 7409	CERAMIC 6P D 50V
C7297	403 029 7409	CERAMIC 6P D 50V
C7301	403 109 6308	ELECT 1U M 50V
C7303	403 018 0602	CERAMIC 22P J 50V
C7304	403 085 4008	NP-ELECT 10U M 16V
C7305	403 014 9302	CERAMIC 180P J 50V
C7311	403 107 9905	ELECT 10U M 16V
C7312	403 069 9500	CERAMIC 0.01U Z 50V
C7313	403 069 9500	CERAMIC 0.01U Z 50V
C7316	403 069 9500	CERAMIC 0.01U Z 50V
C7319	403 069 9500	CERAMIC 0.01U Z 50V
C7323	403 069 9500	CERAMIC 0.01U Z 50V
C7326	403 069 9500	CERAMIC 0.01U Z 50V
C7329	403 069 9500	CERAMIC 0.01U Z 50V
C7333	403 069 9500	CERAMIC 0.01U Z 50V
C7336	403 069 9500	CERAMIC 0.01U Z 50V
C7339	403 069 9500	CERAMIC 0.01U Z 50V
C7343	403 069 9500	CERAMIC 0.01U Z 50V
RESISTOR		
R200	401 013 3307	CARBON 12 JB 1/4W
R201	401 038 9308	MT-GLAZE 68K JA 1/10W
R202	401 038 5300	MT-GLAZE 39K JA 1/10W
R203	401 038 9308	MT-GLAZE 68K JA 1/10W
R204	401 038 1401	MT-GLAZE 24K JA 1/10W
R205	401 038 0800	MT-GLAZE 22K JA 1/10W
R206	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R207	401 037 5608	MT-GLAZE 10K JA 1/10W
R208	401 037 5608	MT-GLAZE 10K JA 1/10W
R209	401 037 5608	MT-GLAZE 10K JA 1/10W
R210	401 037 8005	MT-GLAZE 15K JA 1/10W
R211	401 038 1401	MT-GLAZE 24K JA 1/10W
R212	401 037 5400	MT-GLAZE 1K JA 1/10W
R213	401 037 5400	MT-GLAZE 1K JA 1/10W
R214	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R215	401 037 5400	MT-GLAZE 1K JA 1/10W
R216	401 037 5400	MT-GLAZE 1K JA 1/10W
R217	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R218	401 037 5400	MT-GLAZE 1K JA 1/10W
R219	401 037 5400	MT-GLAZE 1K JA 1/10W
R221	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R222	401 037 5400	MT-GLAZE 1K JA 1/10W
R223	401 038 0800	MT-GLAZE 22K JA 1/10W
R224	401 037 5608	MT-GLAZE 10K JA 1/10W
R225	401 037 5608	MT-GLAZE 10K JA 1/10W
R226	401 038 0800	MT-GLAZE 22K JA 1/10W
R227	401 037 5400	MT-GLAZE 1K JA 1/10W
R228	401 037 5400	MT-GLAZE 1K JA 1/10W
R232	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R234	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R235	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R237	401 039 0304	MT-GLAZE 820 JA 1/10W
R238	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R239	401 037 5400	MT-GLAZE 1K JA 1/10W
R240	401 037 5400	MT-GLAZE 1K JA 1/10W
R241	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R242	401 039 0304	MT-GLAZE 820 JA 1/10W
R243	401 037 5400	MT-GLAZE 1K JA 1/10W
R244	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R245	401 039 0304	MT-GLAZE 820 JA 1/10W
R246	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R247	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R248	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R249	401 019 6302	CARBON 4.7 JB 1/4W
R251	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R252	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R253	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R254	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R255	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R256	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R257	401 037 5400	MT-GLAZE 1K JA 1/10W
R258	401 037 5400	MT-GLAZE 1K JA 1/10W
R259	401 037 5400	MT-GLAZE 1K JA 1/10W
R260	401 037 5400	MT-GLAZE 1K JA 1/10W
R261	401 037 5400	MT-GLAZE 1K JA 1/10W
R262	401 037 5400	MT-GLAZE 1K JA 1/10W
R263	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R264	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R265	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R266	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R267	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R268	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R269	401 037 5400	MT-GLAZE 1K JA 1/10W
R270	401 037 5400	MT-GLAZE 1K JA 1/10W
R271	401 037 5400	MT-GLAZE 1K JA 1/10W
R272	401 037 5400	MT-GLAZE 1K JA 1/10W
R273	401 037 5400	MT-GLAZE 1K JA 1/10W
R274	401 037 5400	MT-GLAZE 1K JA 1/10W
R275	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R276	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R277	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R278	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R279	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R280	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R281	401 037 5400	MT-GLAZE 1K JA 1/10W
R282	401 037 5400	MT-GLAZE 1K JA 1/10W
R283	401 037 5400	MT-GLAZE 1K JA 1/10W
R284	401 037 5400	MT-GLAZE 1K JA 1/10W
R285	401 037 5400	MT-GLAZE 1K JA 1/10W
R286	401 037 5400	MT-GLAZE 1K JA 1/10W
R287	401 037 8005	MT-GLAZE 15K JA 1/10W
R288	401 037 8005	MT-GLAZE 15K JA 1/10W
R289	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R290	401 037 8005	MT-GLAZE 15K JA 1/10W
R291	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R292	401 037 8005	MT-GLAZE 15K JA 1/10W
R293	401 037 8005	MT-GLAZE 15K JA 1/10W
R294	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R295	401 037 8005	MT-GLAZE 15K JA 1/10W
R296	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R351	401 038 7205	MT-GLAZE 5.1K JA 1/10W
R352	401 037 5400	MT-GLAZE 1K JA 1/10W
R353	401 037 5202	MT-GLAZE 100 JA 1/10W
R354	401 037 8104	MT-GLAZE 150K JA 1/10W
R355	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R356	401 049 7508	MT-FILM 5.6K FA 1/4W
R357	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R358	401 037 5608	MT-GLAZE 10K JA 1/10W
R359	401 038 7809	MT-GLAZE 56K JA 1/10W
R362	401 037 5400	MT-GLAZE 1K JA 1/10W
R363	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R364	401 037 8005	MT-GLAZE 15K JA 1/10W
R365	401 037 5400	MT-GLAZE 1K JA 1/10W
R366	401 037 5400	MT-GLAZE 1K JA 1/10W
R367	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R368	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R369	401 039 0502	MT-GLAZE 82K JA 1/10W
R370TM	401 025 8208	CARBON 22K JA 1/6W

Ref. No.	Part No.	Description
R371	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R372	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R373	401 038 3504	MT-GLAZE 330 JA 1/10W
R374	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R381	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R382	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R383	401 038 3504	MT-GLAZE 330 JA 1/10W
R384	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R390	401 038 2200	MT-GLAZE 27K JA 1/10W
R391	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R392	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R393	401 038 3504	MT-GLAZE 330 JA 1/10W
R394	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R397	401 038 2200	MT-GLAZE 27K JA 1/10W
R6201	401 152 5903	MT-GLAZE 18K FA 1/10W
R6202	401 152 5903	MT-GLAZE 18K FA 1/10W
R6203	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6204	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6206	401 038 7601	MT-GLAZE 560 JA 1/10W
R6208	401 038 7601	MT-GLAZE 560 JA 1/10W
R6209	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6210	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6211	401 152 5903	MT-GLAZE 18K FA 1/10W
R6212	401 152 5903	MT-GLAZE 18K FA 1/10W
R6213	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6214	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6216	401 038 7601	MT-GLAZE 560 JA 1/10W
R6218	401 038 7601	MT-GLAZE 560 JA 1/10W
R6219	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6220	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6221	401 152 5903	MT-GLAZE 18K FA 1/10W
R6222	401 152 5903	MT-GLAZE 18K FA 1/10W
R6223	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R6224	401 037 5608	MT-GLAZE 10K JA 1/10W
R6225	401 092 1904	MT-GLAZE 2.7K FA 1/10W
R6226	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6227	401 038 7601	MT-GLAZE 560 JA 1/10W
R6229	401 147 8803	MT-GLAZE 680 FA 1/10W
R6231	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6232	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6233	401 152 5903	MT-GLAZE 18K FA 1/10W
R6234	401 152 5903	MT-GLAZE 18K FA 1/10W
R6235	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6236	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6238	401 038 7601	MT-GLAZE 560 JA 1/10W
R6240	401 038 7601	MT-GLAZE 560 JA 1/10W
R6241	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6242	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6243	401 152 5903	MT-GLAZE 18K FA 1/10W
R6244	401 152 5903	MT-GLAZE 18K FA 1/10W
R6245	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6246	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6248	401 038 7601	MT-GLAZE 560 JA 1/10W
R6250	401 038 7601	MT-GLAZE 560 JA 1/10W
R6251	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6252	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6253	401 152 5903	MT-GLAZE 18K FA 1/10W
R6254	401 152 5903	MT-GLAZE 18K FA 1/10W
R6257	401 092 1904	MT-GLAZE 2.7K FA 1/10W
R6258	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6259	401 038 7601	MT-GLAZE 560 JA 1/10W
R6261	401 147 8803	MT-GLAZE 680 FA 1/10W
R6263	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6264	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6265	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6266	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6267	401 038 7601	MT-GLAZE 560 JA 1/10W
R6269	401 038 7601	MT-GLAZE 560 JA 1/10W
R6271	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6272	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6273	401 152 5903	MT-GLAZE 18K FA 1/10W
R6274	401 152 5903	MT-GLAZE 18K FA 1/10W
R6275	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6276	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R6277	401 038 7601	MT-GLAZE 560 JA 1/10W
R6279	401 038 7601	MT-GLAZE 560 JA 1/10W
R6281	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6282	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6283	401 152 5903	MT-GLAZE 18K FA 1/10W
R6284	401 152 5903	MT-GLAZE 18K FA 1/10W
R6285	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6286	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R6288	401 147 8803	MT-GLAZE 680 FA 1/10W
R6290	401 038 7601	MT-GLAZE 560 JA 1/10W
R6291	401 092 1904	MT-GLAZE 2.7K FA 1/10W
R6292	401 092 1904	MT-GLAZE 2.7K FA 1/10W
R6295	401 152 5903	MT-GLAZE 18K FA 1/10W
R6296	401 152 5903	MT-GLAZE 18K FA 1/10W
R6297	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R6299	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R6302	401 037 5400	MT-GLAZE 1K JA 1/10W
R6303	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6307	401 037 5400	MT-GLAZE 1K JA 1/10W
R6308	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6312	401 037 5400	MT-GLAZE 1K JA 1/10W
R6313	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6317	401 037 5400	MT-GLAZE 1K JA 1/10W
R6318	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6322	401 037 5400	MT-GLAZE 1K JA 1/10W
R6323	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6327	401 037 5400	MT-GLAZE 1K JA 1/10W
R6328	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6332	401 037 5400	MT-GLAZE 1K JA 1/10W
R6333	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6337	401 037 5400	MT-GLAZE 1K JA 1/10W
R6338	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6342	401 037 5400	MT-GLAZE 1K JA 1/10W
R6343	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6347	401 037 5400	MT-GLAZE 1K JA 1/10W
R6348	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6352	401 037 5400	MT-GLAZE 1K JA 1/10W
R6353	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6357	401 037 5400	MT-GLAZE 1K JA 1/10W
R6358	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6362	401 037 5400	MT-GLAZE 1K JA 1/10W
R6363	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6367	401 037 5400	MT-GLAZE 1K JA 1/10W
R6368	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6372	401 037 5400	MT-GLAZE 1K JA 1/10W
R6373	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6377	401 037 5400	MT-GLAZE 1K JA 1/10W
R6378	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6382	401 037 5400	MT-GLAZE 1K JA 1/10W
R6383	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R6387	401 037 5400	MT-GLAZE 1K JA 1/10W
R6388	401 092 3205	MT-GLAZE 4.7K FA 1/10W
R7201	401 037 5707	MT-GLAZE 100K JA 1/10W
R7202	401 037 5707	MT-GLAZE 100K JA 1/10W
R7203	401 037 5707	MT-GLAZE 100K JA 1/10W
R7204	401 037 5707	MT-GLAZE 100K JA 1/10W
R7205	401 037 5707	MT-GLAZE 100K JA 1/10W
R7206	401 037 5707	MT-GLAZE 100K JA 1/10W
R7207	401 037 5707	MT-GLAZE 100K JA 1/10W
R7208	401 037 5707	MT-GLAZE 100K JA 1/10W
R7209	401 037 5707	MT-GLAZE 100K JA 1/10W
R7210	401 037 5707	MT-GLAZE 100K JA 1/10W

Ref. No.	Part No.	Description
R7211	401 037 5707	MT-GLAZE 100K JA 1/10W
R7212	401 037 5707	MT-GLAZE 100K JA 1/10W
R7213	401 037 5707	MT-GLAZE 100K JA 1/10W
R7214	401 037 5707	MT-GLAZE 100K JA 1/10W
R7215	401 037 5707	MT-GLAZE 100K JA 1/10W
R7216	401 037 5707	MT-GLAZE 100K JA 1/10W
R7217	401 037 5707	MT-GLAZE 100K JA 1/10W
R7218	401 037 5707	MT-GLAZE 100K JA 1/10W
R7221	401 066 5204	OXIDE-MT 22 JA 2W
R7222	401 061 1706	OXIDE-MT 33 JA 1W
R7223	401 087 6204	CARBON 0.000 ZA 1/6W
R7224	401 026 8702	CARBON 4.3K JA 1/6W
R7226	401 026 6609	CARBON 390 JA 1/6W
R7227	401 026 8702	CARBON 4.3K JA 1/6W
R7228	401 087 6204	CARBON 0.000 ZA 1/6W
R7229	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7231	645 008 1514	INDUCTOR, 5.6U K
R7232	401 068 2607	OXIDE-MT 47 JA 2W
R7233	401 063 5306	OXIDE-MT 82 JA 1W
R7241	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R7242	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R7244	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R7246	401 038 5508	MT-GLAZE 4.7 JA 1/10W
R7249	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R7251	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7253	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7254	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7256	401 037 5608	MT-GLAZE 10K JA 1/10W
R7257	401 037 5608	MT-GLAZE 10K JA 1/10W
R7258	401 037 5202	MT-GLAZE 100 JA 1/10W
R7259	401 037 5202	MT-GLAZE 100 JA 1/10W
R7264	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7266	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7267	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7268	401 037 5608	MT-GLAZE 10K JA 1/10W
R7269	401 037 5608	MT-GLAZE 10K JA 1/10W
R7271	401 037 5202	MT-GLAZE 100 JA 1/10W
R7272	401 037 5202	MT-GLAZE 100 JA 1/10W
R7277	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7279	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7281	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7282	401 037 5608	MT-GLAZE 10K JA 1/10W
R7283	401 037 5608	MT-GLAZE 10K JA 1/10W
R7284	401 037 5202	MT-GLAZE 100 JA 1/10W
R7286	401 037 5202	MT-GLAZE 100 JA 1/10W
R7287	401 037 5608	MT-GLAZE 10K JA 1/10W
R7288	401 037 5608	MT-GLAZE 10K JA 1/10W
R7289	401 037 5608	MT-GLAZE 10K JA 1/10W
R7291	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7292	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7293	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7298	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7299	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7301	401 037 5608	MT-GLAZE 10K JA 1/10W
R7302	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R7303	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R7304	401 037 5707	MT-GLAZE 100K JA 1/10W
R7305	401 038 7700	MT-GLAZE 5.6K JA 1/10W
R7306	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7308	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R7311	401 037 5608	MT-GLAZE 10K JA 1/10W
R7312	401 038 3603	MT-GLAZE 3.3K JA 1/10W
R7314	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R7315	401 037 5400	MT-GLAZE 1K JA 1/10W
R7316	401 038 2002	MT-GLAZE 270 JA 1/10W
R7319	401 038 7809	MT-GLAZE 56K JA 1/10W
R7321	401 038 6505	MT-GLAZE 47K JA 1/10W
R7322	401 038 2309	MT-GLAZE 270K JA 1/10W
R7323	401 038 6505	MT-GLAZE 47K JA 1/10W
R7327	401 038 6307	MT-GLAZE 470 JA 1/10W
R7332	401 038 2309	MT-GLAZE 270K JA 1/10W
R7336	401 038 2309	MT-GLAZE 270K JA 1/10W
R7339	401 038 2309	MT-GLAZE 270K JA 1/10W
R7343	401 038 2309	MT-GLAZE 270K JA 1/10W
R7347	401 038 2309	MT-GLAZE 270K JA 1/10W
R7348	401 180 3407	MT-GLAZE 270K FA 1/10W
R7349	401 038 1401	MT-GLAZE 24K JA 1/10W
R7351	401 038 2309	MT-GLAZE 270K JA 1/10W
R7354	401 038 2309	MT-GLAZE 270K JA 1/10W
R7358	401 038 2309	MT-GLAZE 270K JA 1/10W
R7362	401 038 2309	MT-GLAZE 270K JA 1/10W
R7366	401 038 2309	MT-GLAZE 270K JA 1/10W
R7367	401 038 2309	MT-GLAZE 270K JA 1/10W
R7369	401 038 2309	MT-GLAZE 270K JA 1/10W
R7373	401 038 2309	MT-GLAZE 270K JA 1/10W
R7377	401 038 2309	MT-GLAZE 270K JA 1/10W
R7381	401 038 2309	MT-GLAZE 270K JA 1/10W
R7384	401 038 2309	MT-GLAZE 270K JA 1/10W
R7386	401 038 2309	MT-GLAZE 270K JA 1/10W
R8201	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8202	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8203	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8204	401 038 6307	MT-GLAZE 470 JA 1/10W
R8205	401 038 6307	MT-GLAZE 470 JA 1/10W
R8206	401 038 6307	MT-GLAZE 470 JA 1/10W
R8207	401 037 5707	MT-GLAZE 100K JA 1/10W
R8208	401 037 5707	MT-GLAZE 100K JA 1/10W
R8209	401 037 5707	MT-GLAZE 100K JA 1/10W
R8211	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8212	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8213	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8214	401 038 6307	MT-GLAZE 470 JA 1/10W
R8215	401 038 6307	MT-GLAZE 470 JA 1/10W
R8216	401 038 6307	MT-GLAZE 470 JA 1/10W
R8217	401 037 5707	MT-GLAZE 100K JA 1/10W
R8218	401 037 5707	MT-GLAZE 100K JA 1/10W
R8219	401 037 5707	MT-GLAZE 100K JA 1/10W
R8222	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R8225	401 038 6307	MT-GLAZE 470 JA 1/10W
R8227	401 037 5707	MT-GLAZE 100K JA 1/10W
R8228	401 037 5707	MT-GLAZE 100K JA 1/10W
R8229	401 037 5707	MT-GLAZE 100K JA 1/10W
R8230	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8232	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8234	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8236	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8238	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8239	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R8243	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
VARIABLE RESISTOR		
VR203	645 006 2759	VR, SEMI, 30K S
VR204	645 006 2759	VR, SEMI, 30K S
VR205	645 006 2759	VR, SEMI, 30K S
VR207	645 006 2759	VR, SEMI, 30K S
VR208	645 006 2759	VR, SEMI, 30K S
VR209	645 006 2780	VR, SEMI, 50K S
VR241	610 234 7265	VR B-1K
VR242	610 234 7265	VR B-1K
VR243	610 234 7265	VR B-1K
VR6201	645 017 1321	VR, SEMI, 200 S
VR6202	645 017 1321	VR, SEMI, 200 S
VR6203	645 017 1321	VR, SEMI, 200 S
VR6204	645 017 1321	VR, SEMI, 200 S
VR6205	645 017 1321	VR, SEMI, 200 S
VR6206	645 017 1321	VR, SEMI, 200 S

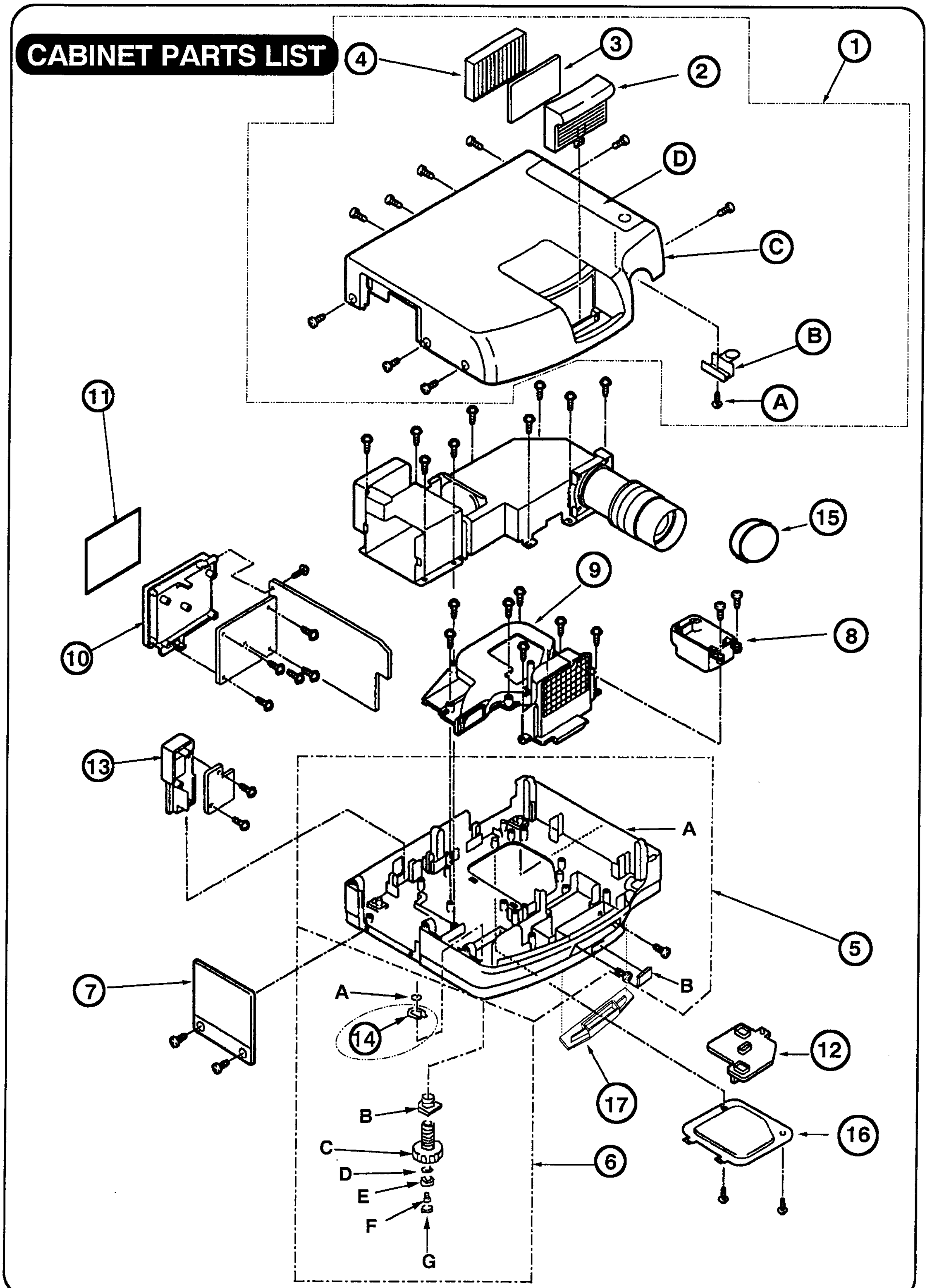
Ref. No.	Part No.	Description
VR6207	645 017 1321	VR, SEMI, 200 S
VR6208	645 017 1321	VR, SEMI, 200 S
VR6209	645 017 1321	VR, SEMI, 200 S
VR6210	645 017 1321	VR, SEMI, 200 S
VR6211	645 017 1321	VR, SEMI, 200 S
VR6212	645 017 1321	VR, SEMI, 200 S
VR6213	645 017 1321	VR, SEMI, 200 S
VR6214	645 017 1321	VR, SEMI, 200 S
VR6215	645 017 1321	VR, SEMI, 200 S
VR6216	645 001 9371	VR, SEMI, 10K S
VR6219	645 012 6147	VR, SEMI, 50K S
VR6220	645 012 6147	VR, SEMI, 50K S
VR6221	645 012 6147	VR, SEMI, 50K S
VR6222	645 012 6147	VR, SEMI, 50K S
VR6223	645 012 6147	VR, SEMI, 50K S
VR6224	645 012 6147	VR, SEMI, 50K S
VR6225	645 012 6147	VR, SEMI, 50K S
VR6226	645 012 6147	VR, SEMI, 50K S
VR6227	645 012 6147	VR, SEMI, 50K S
VR6228	645 012 6147	VR, SEMI, 50K S
VR6229	645 012 6147	VR, SEMI, 50K S
VR6230	645 012 6147	VR, SEMI, 50K S
VR6231	645 012 6147	VR, SEMI, 50K S
VR6232	645 012 6147	VR, SEMI, 50K S
VR6233	645 012 6147	VR, SEMI, 50K S
VR6234	645 012 6147	VR, SEMI, 50K S
VR6235	645 012 6147	VR, SEMI, 50K S
VR6401	645 002 7703	VR, SEMI, 10K S
COIL		
L6451	401 087 6204	CARBON 0.000 ZA 1/6W
L6452	401 087 6204	CARBON 0.000 ZA 1/6W
L6453	401 087 6204	CARBON 0.000 ZA 1/6W
L7222	645 013 4999	INDUCTOR, 4.7U J
L7223	645 013 4999	INDUCTOR, 4.7U J
DIODE		
D201	407 164 5207	ZENER DIODE UZ-8.2BCB
D316	407 004 8009	DIODE DSB015-TA
D366	407 004 8009	DIODE DSB015-TA
D7221	407 007 9904	DIODE GMA01
	407 012 4406	DIODE 1SS133
	407 012 5809	DIODE 1SS176
D7222	407 004 8009	DIODE DSB015-TA
D7223	407 004 8009	DIODE DSB015-TA
D7224	407 004 8009	DIODE DSB015-TA
D7303	407 004 8009	DIODE DSB015-TA
D7306	407 004 8009	DIODE DSB015-TA
D7307	407 004 8009	DIODE DSB015-TA
MISCELLANEOUS		
TP	645 000 0409	TERMINAL
K2B	645 004 2911	PLUG, 5P
K2F	645 004 2911	PLUG, 5P
K2G	645 004 2911	PLUG, 5P
K2GA	645 004 2928	PLUG, 6P
K2H	645 004 2911	PLUG, 5P
K2J	645 004 2911	PLUG, 5P
K2K	645 004 2904	PLUG, 4P
K2P	645 004 2911	PLUG, 5P
K21A	645 003 3957	SOCKET, 30P
K21B	645 014 3083	SOCKET, 20P
ASSY, PWB, PRE-AMP M6GA **610 263 1685 1AA0B10C105AD**		
RESISTOR		
R1201	401 037 5202	MT-GLAZE 100 JA 1/10W

Ref. No.	Part No.	Description
DIODE		
D1201	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1202	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
MISCELLANEOUS		
AU1201	645 007 1546	UNIT, REMOCON RECEIVER
	610 224 5806	RC PREAMP 409-1L
K1201	645 004 2898	PLUG, 3P
ASSY, PWB, AV P6GA **610 262 3611 1AA0B10C105BC**		
INTEGRATED CIRCUIT		
IC1001	409 357 6602	IC LT1260CS
CAPACITOR		
C1009	403 069 9500	CERAMIC 0.01U Z 50V
C1011	403 163 8409	ELECT 47U M 16V
C1012	403 069 9500	CERAMIC 0.01U Z 50V
C1013	403 163 8409	ELECT 47U M 16V
C1021	403 009 5708	CERAMIC 100P J 50V
C1022	403 009 5708	CERAMIC 100P J 50V
C1023	403 009 5708	CERAMIC 100P J 50V
RESISTOR		
R1001	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1002	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1003	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1004	401 037 5400	MT-GLAZE 1K JA 1/10W
R1006	401 037 5400	MT-GLAZE 1K JA 1/10W
R1007	401 037 5400	MT-GLAZE 1K JA 1/10W
R1008	401 037 5400	MT-GLAZE 1K JA 1/10W
R1011	401 037 5400	MT-GLAZE 1K JA 1/10W
R1013	401 037 5400	MT-GLAZE 1K JA 1/10W
R1016	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1017	401 038 9506	MT-GLAZE 75 JA 1/10W
R1018	401 038 9506	MT-GLAZE 75 JA 1/10W
R1019	401 038 9506	MT-GLAZE 75 JA 1/10W
R1051	401 038 6604	MT-GLAZE 470K JA 1/10W
R1052	401 038 6604	MT-GLAZE 470K JA 1/10W
R1053	401 037 7800	MT-GLAZE 150 JA 1/10W
R1054	401 037 7800	MT-GLAZE 150 JA 1/10W
R1056	401 037 7800	MT-GLAZE 150 JA 1/10W
R1057	401 037 7800	MT-GLAZE 150 JA 1/10W
R1058	401 037 7800	MT-GLAZE 150 JA 1/10W
R1059	401 037 7800	MT-GLAZE 150 JA 1/10W
R1061	401 038 6604	MT-GLAZE 470K JA 1/10W
R1062	401 038 6604	MT-GLAZE 470K JA 1/10W
R1063	401 038 6604	MT-GLAZE 470K JA 1/10W
R1064	401 038 9506	MT-GLAZE 75 JA 1/10W
R1101	401 037 5202	MT-GLAZE 100 JA 1/10W
R1102	401 038 3801	MT-GLAZE 330K JA 1/10W
R1103	401 037 5400	MT-GLAZE 1K JA 1/10W
R1104	401 037 5608	MT-GLAZE 10K JA 1/10W
R1106	401 037 5202	MT-GLAZE 100 JA 1/10W
COIL		
L1001	645 003 3308	FILTER, EMI 60PF
L1002	645 003 3308	FILTER, EMI 60PF
L1003	645 003 3308	FILTER, EMI 60PF
L1006	645 003 3292	FILTER, EMI 110PF
L1009	645 003 3292	FILTER, EMI 110PF
L1011	645 003 3308	FILTER, EMI 60PF
L1012	645 003 3308	FILTER, EMI 60PF
L1013	645 003 3308	FILTER, EMI 60PF

Ref. No.	Part No.	Description
L1014	645 003 3308	FILTER, EMI 60PF
L1016	645 003 3308	FILTER, EMI 60PF
L1051	645 003 3292	FILTER, EMI 110PF
L1052	645 003 3292	FILTER, EMI 110PF
L1053	645 003 3308	FILTER, EMI 60PF
L1054	645 003 3308	FILTER, EMI 60PF
L1057	645 003 3308	FILTER, EMI 60PF
L1058	645 003 3292	FILTER, EMI 110PF
L1059	645 003 3292	FILTER, EMI 110PF
L1061	645 003 3308	FILTER, EMI 60PF
L1062	645 003 3292	FILTER, EMI 110PF
L1063	645 003 3292	FILTER, EMI 110PF
L1101	645 006 3350	FILTER, EMI 2200PF
L1102	645 006 3350	FILTER, EMI 2200PF
L1103	645 003 3292	FILTER, EMI 110PF
L1104	645 003 3292	FILTER, EMI 110PF
L1106	645 003 3308	FILTER, EMI 60PF
L1107	645 003 3308	FILTER, EMI 60PF
L1108	645 003 3308	FILTER, EMI 60PF
L1111	645 008 4904	INDUCTOR, 5.6U K
L1112	645 008 4904	INDUCTOR, 5.6U K
L1113	645 008 4904	INDUCTOR, 5.6U K
L1114	645 008 4904	INDUCTOR, 5.6U K
DIODE		
D1001	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1002	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1003	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1006	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1009	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1011	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1012	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1013	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1014	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1016	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1017	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1018	407 071 3303	ZENER DIODE DZD20Y-TA
	407 071 3402	ZENER DIODE DZD20Z-TA
D1019	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1021	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1022	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1051	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1052	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1053	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1054	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1057	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1058	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1059	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1061	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1062	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1063	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1064	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1066	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1067	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1068	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1069	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1071	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1072	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1073	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1074	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1076	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1101	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1102	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1103	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1104	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1106	407 071 0807	ZENER DIODE DZD15X-TA
	407 071 0906	ZENER DIODE DZD15Y-TA
D1107	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1108	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1109	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
D1111	407 071 7301	ZENER DIODE DZD6.2Y-TA
	407 071 7400	ZENER DIODE DZD6.2Z-TA
MISCELLANEOUS		
K1001	645 009 8093	SOCKET, D-SUB 15P
K1002	645 009 8093	SOCKET, D-SUB 15P
K1003	645 000 2595	SOCKET, DIN 8P
K1004	645 000 2663	PLUG, 19P
K1051	645 003 0673	JACK, RCA-2
K1052	645 000 3356	TERMINAL, BOARD
K1053	645 005 0244	TERMINAL, BOARD
K1054	645 000 2670	PLUG, 17P
K1101	645 011 4816	JACK, PHONE D3.6
K1102	645 009 8079	SOCKET, DC
K1103	645 000 2571	JACK, PHONE D8.0
K1104	645 005 8073	PLUG, 9P
SW1101	610 011 1790	SWITCH, PUSH
WA-4	610 262 4298	STAPLE-S5ME
OUT OF CIRCUIT BOARD		
COIL		
L901	645 012 5768	INDUCTOR, 40M
⚠L902	610 233 5453	SOCKET 3P
L902A	610 012 5926	TERMINAL

Ref. No.	Part No.	Description
L903	645 003 3810	CORE, FERRITE
L906	645 003 3834	CORE, FERRITE
L908	645 003 3834	CORE, FERRITE
MISCELLANEOUS		
⚠LP901	610 264 1196	LAMP, METAL HALIDE
EL901	645 020 8775	LCD(LCX012BLC-7 R)
EL902	645 020 1493	LCD(LCX012BLD-7 G)
EL903	645 020 1509	LCD(LCX012BLB-6 B)
⚠FN901	645 011 7022	MOTOR, FAN DC 6.0W
⚠FN902	645 011 7039	MOTOR, FAN DC 2.64W
⚠FN903	645 019 0162	MOTOR, FAN DC 1.08W
SP901	610 055 5471	SPEAKER
	610 055 5464	SPEAKER
⚠SW904	610 229 8505	SWITCH, REED
⚠SW905	610 233 0632	SWITCH, REED
⚠T901	645 011 2959	TRANS, POWER
T901A	645 003 3810	CORE, FERRITE
WK41A	645 006 9888	FLEXIBLE FLAT CABLE
WK41A-A	645 003 3803	CORE, FERRITE
WK41B	645 012 5775	FLEXIBLE FLAT CABLE
W902B	645 003 4053	CABLE
W902L	610 263 0961	CABLE, LANP
ACCESSORIES PARTS		
⚠W901	645 011 6131	AC POWER CORD (PLC-550ME)
⚠W901	645 011 6148	AC POWER CORD (PLC-550MB)
⚠W901	645 011 6155	AC POWER CORD (PLC-550MP)
	610 262 5783	OWNER'S MANUAL (PLC-550ME)
	610 262 5806	OWNER'S MANUAL (PLC-550MB)
		OWNER'S MANUAL (PLC-550MP)
	610 258 0976	DUST COVER
	645 011 7015	CABLE, INTERFACE IBM
	645 011 9743	CABLE, INTERFACE MAC
	645 021 1867	SOFTWARE KIT
	610 263 9711	SOFTWARE OWNER'S MANUAL
	645 020 7884	CABLE, INTERFACE, (M-DIN 8P-D-SUB 9P)
AA9901	645 016 0912	RC TRANSMITTER
A9901E	610 233 5026	RC BATTERY COVER
	645 015 3976	RC CABLE
	610 234 0969	RC CABLE

CABINET PARTS LIST

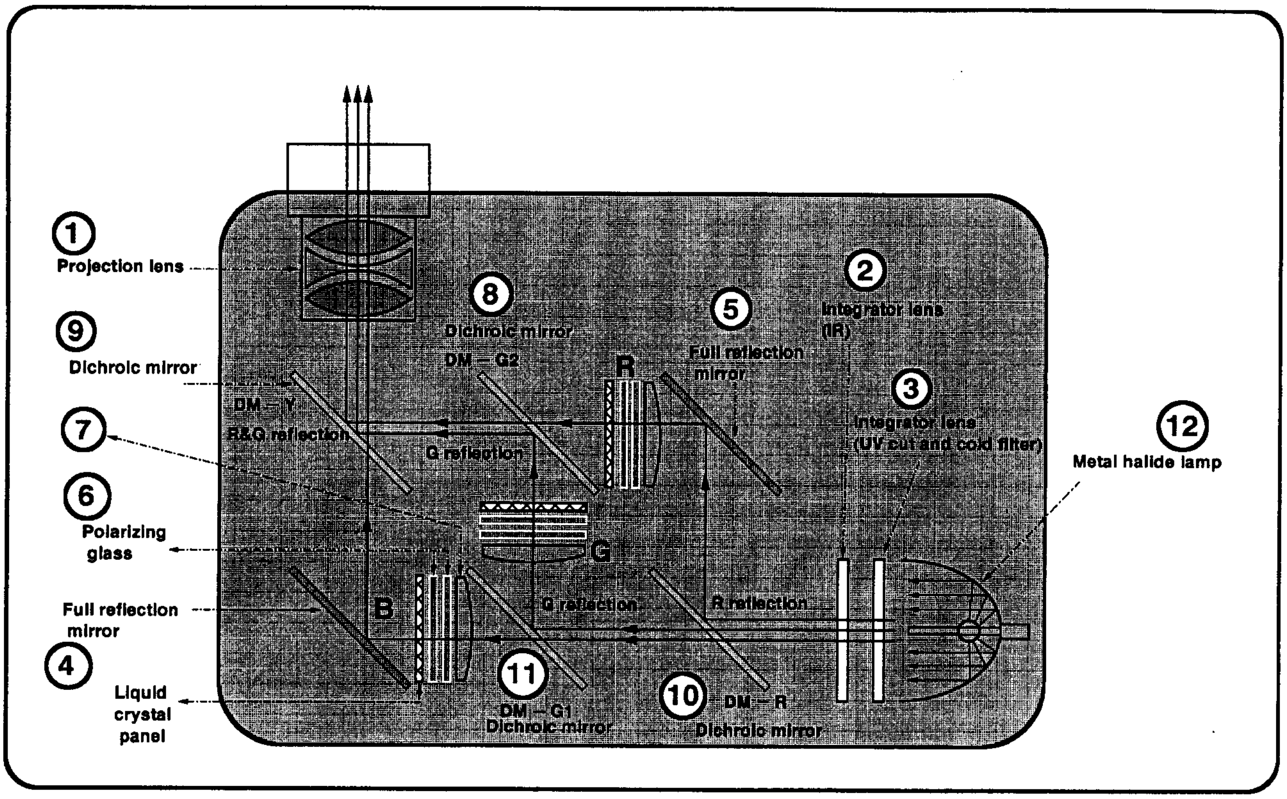

④
③
②
①
Ⓓ
Ⓒ
Ⓑ
Ⓐ
⑪
⑮
⑨
⑩
⑧
⑬
A
⑤
⑦
A
B
⑭
⑫
⑰
B
⑯
C
D
E
F
G
⑥

CABINET PARTS LIST

KEY NO	PART NO	DESCRIPTION
1.	610 263 2590	TOP CABINET ASS'Y (INCLUDED A-D)
A.	412 018 8402	SCREW 3X 10MM
B.	610 253 0391	ON/OFF BUTTON
C.	610 263 2675	TOP CABINET
D.	610 257 0779	DECORATION PLATE
2.	610 264 3718	AIR FILTER COVER
3.	610 258 1003	SPONGE
4.	610 253 0933	AIR FILTER
5.	610 262 7800	BOTTOM CABINET ASS'Y (INCLUDED A-B and 2 LEG. ASS'Y of KEY NO. 6)
A.	610 262 7893	BOTTOM CABINET
B.	610 262 8005	COVER, RC SENSOR
6.	610 239 9899	LEG. ASS'Y (2 USED) INCLUDED A-G
A.	411 165 5302	STOPPER
B.	412 045 2206	SPECIAL NUT
C.	610 239 9974	LEG.-A
D.	411 152 6701	WASHER.-A
E.	610 239 9981	LEG.-B
F.	411 156 6806	SCREW 3 × 10MM
G.	610 240 0021	CUSHION
7.	610 264 3725	LAMP COVER
8.	610 253 0971	SPEAKER HOLDER
9.	610 253 0483	MOUNTING DUCT-A
10.	610 253 0506	PANEL AV
11.	610 253 0452	DECORATION PLATE AV
12.	610 262 6032	MOUNTING DUCT-CR
13.	610 255 7367	PANEL AC
14	411 165 5401	LEG. STOPPER (2 USED)
15.	610 258 6688	LENS COVER
16.	610 256 7335	COVER BOTTOM-A
17	610 259 5797	COVER BOTTOM-B

P6GA

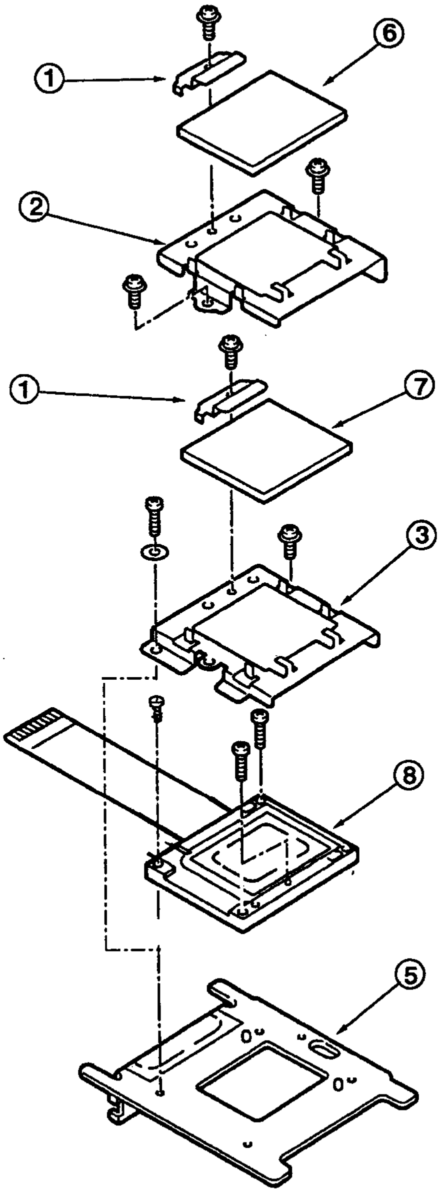
OPTICAL PARTS LIST


①
Projection lens
⑨
Dichroic mirror
DM – Y
R&G reflection
⑦
⑥
Polarizing glass
Full reflection mirror
④
Liquid crystal panel
⑧
Dichroic mirror
DM – G2
G reflection
R
G
B
⑤
Full reflection mirror
②
Integrator lens (IR)
③
Integrator lens (UV cut and cold filter)
⑫
Metal halide lamp
G reflection
R reflection
⑪
DM – G1
Dichroic mirror
⑩
DM – R
Dichroic mirror

OPTICAL PARTS LIST

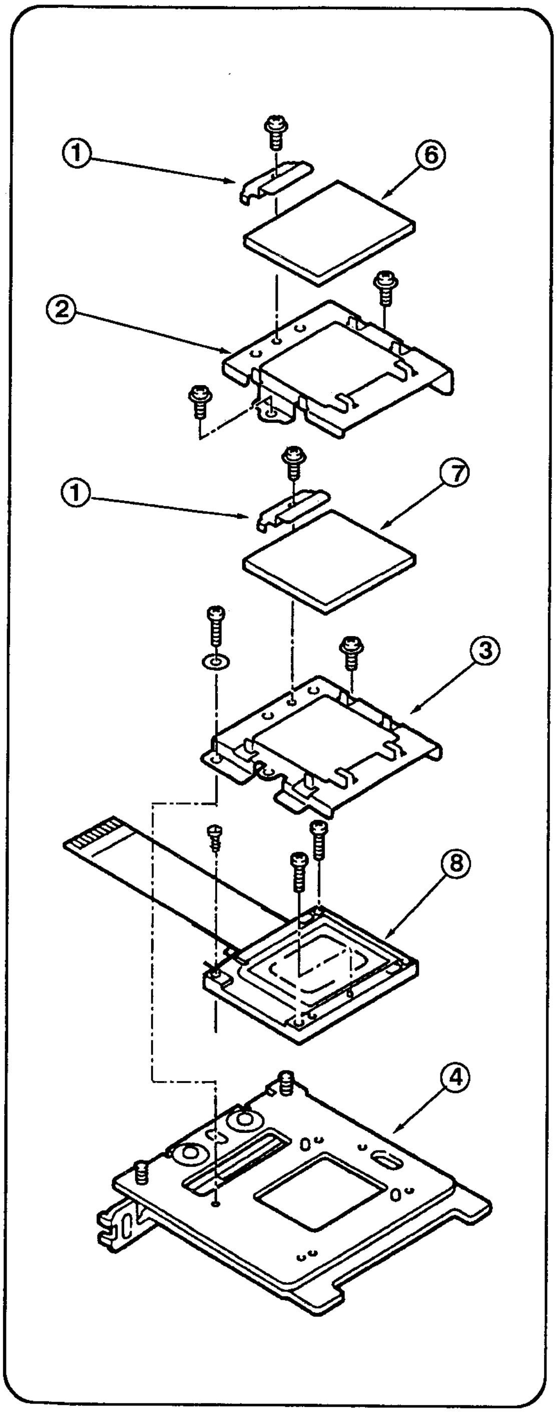
KEY NO.	PART NO.	DESCRIPTION
1.	645 020 1691	PROJECTION LENS
2.	645 018 6394	INTEGRATOR LENS (IR)
3.	645 018 6387	INTEGRATOR LENS (UV CUT AND COLD FILTER)
4.	645 009 9731	MIRROR (FOR BLUE)
5.	645 018 7360	MIRROR (FOR RED)
6.	————	POLARIZING GLASS (SEE LCD PANEL PARTS LIST)
7.	645 018 6400	CONDENCER LENS (RED)
	645 018 6400	CONDENCER LENS (GREEN)
	645 018 6400	CONDENCER LENS (BLUE)
8.	645 020 1561	MIRROR (DICHROIC-G2)
9.	645 021 4998	MIRROR (DICHROIC-Y)
	645 020 1578	MIRROR (DICHROIC-Y)
10.	645 018 6820	MIRROR (DICHROIC-R)
11.	645 018 7377	MIRROR (DICHROIC-G1)
12.	————	METAL HALIDE LAMP (SEE ELECTRICAL PARTS LIST)

G LCD PANEL ASS'Y PARTS LIST



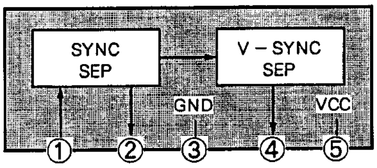
KEY NO.	PART NO.	DESCRIPTION
1.	610 252 8428	STOPPER POLARIZED GLASS
2.	610 263 1302	MOUNTING POLARIZED GLASS
3.	610 263 1296	MOUNTING POLARIZED GLASS
4.	610 262 8043	MOUNTING PANEL B/R
5.	610 263 3382	MOUNTING PANEL G
6.	645 018 6882	POLARIZED GLASS (IN) R
	645 018 6899	POLARIZED GLASS (IN) G
	645 018 6905	POLARIZED GLASS (IN) B
7.	645 018 6912	POLARIZED GLASS (FILTER) R
	645 018 6929	POLARIZED GLASS (FILTER) G
	645 018 6936	POLARIZED GLASS (FILTER) B
8.	645 020 8775	RED LCD PANEL
	645 020 1493	GREEN LCD PANEL
	645 020 1509	BLUE LCD PANEL

B & R LCD PANEL ASS'Y PARTS LIST

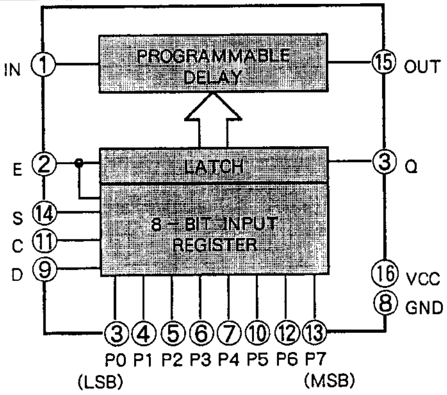


KEY NO.	PART NO.	DESCRIPTION
1.	610 252 8428	STOPPER POLARIZED GLASS
2.	610 263 1302	MOUNTING POLARIZED GLASS
3.	610 263 1296	MOUNTING POLARIZED GLASS
4.	610 262 8043	MOUNTING PANEL B/R
5.	610 263 3382	MOUNTING PANEL G
6.	645 018 6882	POLARIZED GLASS (IN) R
	645 018 6899	POLARIZED GLASS (IN) G
	645 018 6905	POLARIZED GLASS (IN) B
7.	645 018 6912	POLARIZED GLASS (FILTER) R
	645 018 6929	POLARIZED GLASS (FILTER) G
	645 018 6936	POLARIZED GLASS (FILTER) B
8.	645 020 8775	RED LCD PANEL
	645 020 1493	GREEN LCD PANEL
	645 020 1509	BLUE LCD PANEL

LA7213
SYNC SEP

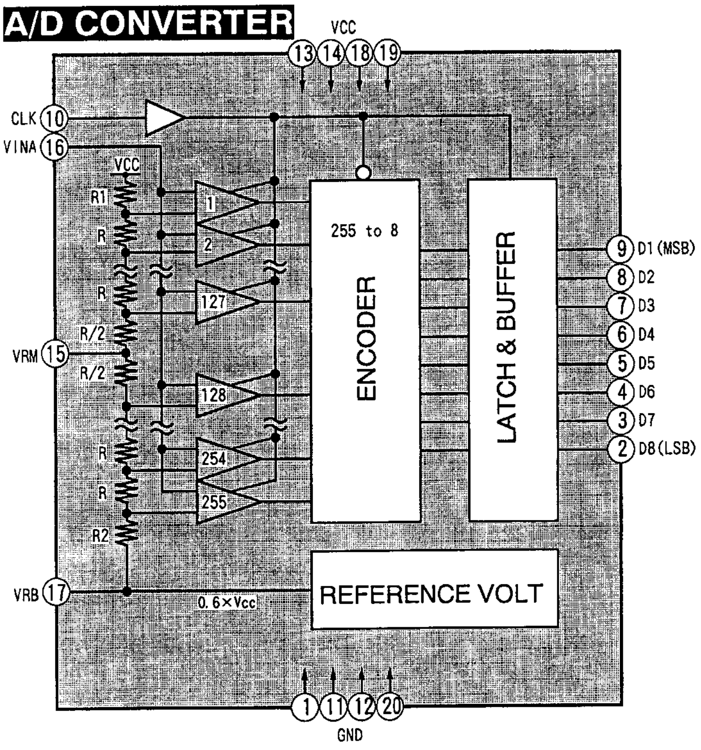

SYNC SEP
V－SYNC SEP
GND
VCC
①
②
③
④
⑤

DS1020D－025/DS1020S－25
PROGRAMMABLE 8Bit DELAY LINE


IN ①
PROGRAMMABLE DELAY
⑮ OUT
E ②
LATCH
③ Q
S ⑭
C ⑪
D ⑨
8－BIT INPUT REGISTER
⑯ VCC
⑧ GND
③④⑤⑥⑦⑩⑫⑬
P0 P1 P2 P3 P4 P5 P6 P7
(LSB)
(MSB)

IN	Delay Input
P0－P7	Parallel Program Pins
GND	Ground
OUT	Delay Output
VCC	＋5 Volts
S	Mode Select
E	Enable
C	Serial Port Clock
Q	Serial Data Output
D	Serial Data Input

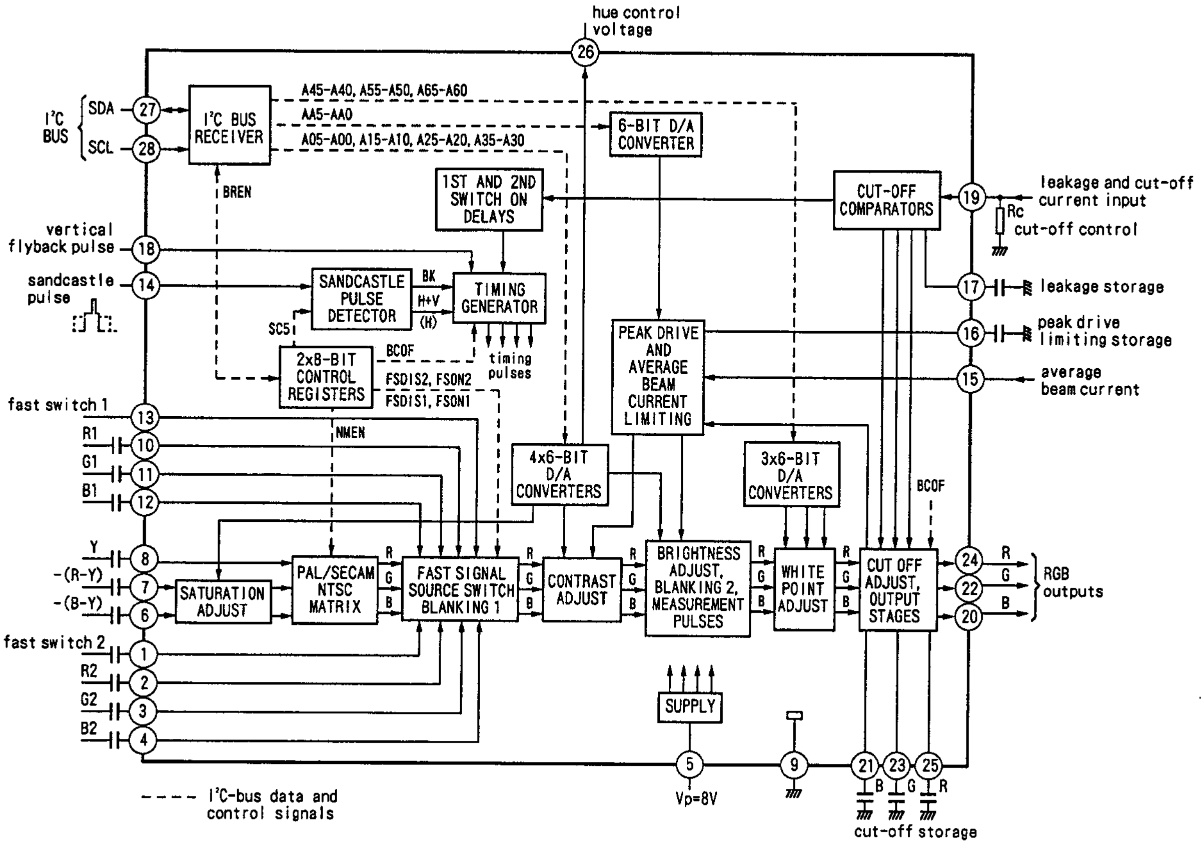
MB40558PF
A/D CONVERTER


VCC
⑬⑭⑱⑲
CLK ⑩
VINA ⑯
VCC
R1
R
R
R/2
VRM ⑮
R/2
R
R
R2
VRB ⑰
1
2
127
128
254
255
255 to 8
ENCODER
LATCH & BUFFER
⑨ D1 (MSB)
⑧ D2
⑦ D3
⑥ D4
⑤ D5
④ D6
③ D7
② D8 (LSB)
0.6×Vcc
REFERENCE VOLT
①⑪⑫⑳
GND

VINA	ANALOG SIG IN
CLK	CLOCK IN
D1～D8	DIGITAL SIG OUT
VRB	REF VOLT OUT
VRM	
VCC	VCC
GND	GROUND

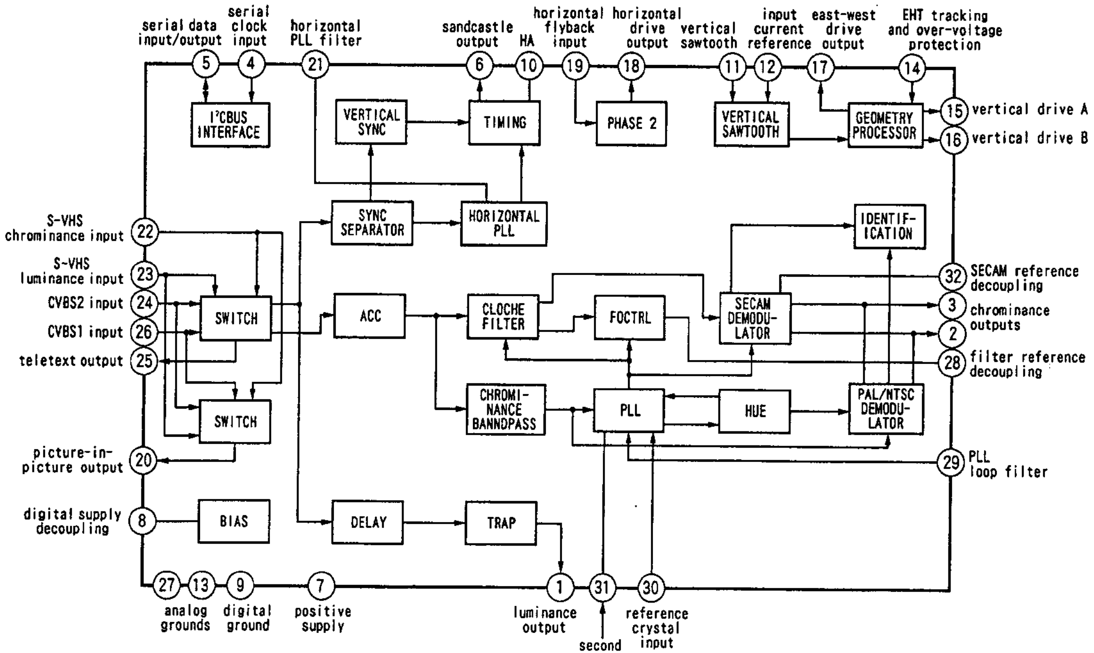
TDA4685

Video Processor, with automatic cut – off control


hue control voltage
26
I²C BUS
SDA 27
SCL 28
I²C BUS RECEIVER
A45-A40, A55-A50, A65-A60
AA5-AA0
A05-A00, A15-A10, A25-A20, A35-A30
6-BIT D/A CONVERTER
BREN
1ST AND 2ND SWITCH ON DELAYS
CUT-OFF COMPARATORS
19
leakage and cut-off current input
Rc
cut-off control
vertical flyback pulse 18
sandcastle pulse 14
SANDCASTLE PULSE DETECTOR
BK
H+V
(H)
TIMING GENERATOR
17 leakage storage
16 peak drive limiting storage
15 average beam current
SC5
2x8-BIT CONTROL REGISTERS
BCOF
FSDIS2, FSON2
FSDIS1, FSON1
timing pulses
PEAK DRIVE AND AVERAGE BEAM CURRENT LIMITING
fast switch 1 13
R1 10
G1 11
B1 12
NMEN
4x6-BIT D/A CONVERTERS
3x6-BIT D/A CONVERTERS
BCOF
Y 8
-(R-Y) 7
-(B-Y) 6
SATURATION ADJUST
PAL/SECAM NTSC MATRIX
FAST SIGNAL SOURCE SWITCH BLANKING 1
CONTRAST ADJUST
BRIGHTNESS ADJUST, BLANKING 2, MEASUREMENT PULSES
WHITE POINT ADJUST
CUT OFF ADJUST, OUTPUT STAGES
R G B
24 R
22 G
20 B
RGB outputs
fast switch 2 1
R2 2
G2 3
B2 4
SUPPLY
5
Vp=8V
9
21 23 25
B G R
cut-off storage
---- I²C-bus data and control signals

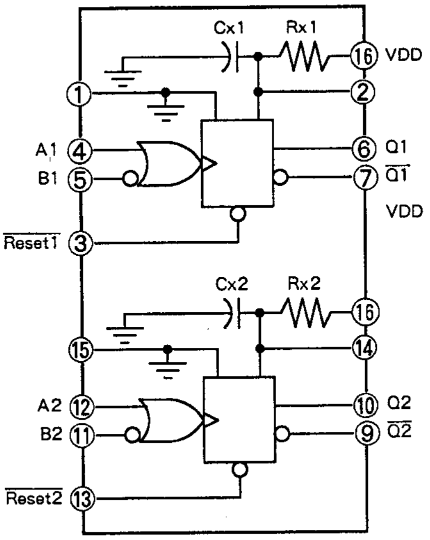
TDA9160

PAL/SECAM/NTSC decoder/sync processor


serial data input/output 5
serial clock input 4
horizontal PLL filter 21
sandcastle output 6
HA 10
horizontal flyback input 19
horizontal drive output 18
vertical sawtooth 11
input current reference 12
east-west drive output 17
EHT tracking and over-voltage protection 14
I²CBUS INTERFACE
VERTICAL SYNC
TIMING
PHASE 2
VERTICAL SAWTOOTH
GEOMETRY PROCESSOR
15 vertical drive A
16 vertical drive B
SYNC SEPARATOR
HORIZONTAL PLL
IDENTIFICATION
S-VHS chrominance input 22
S-VHS luminance input 23
CVBS2 input 24
CVBS1 input 26
teletext output 25
SWITCH
ACC
CLOCHE FILTER
FOCTRL
SECAM DEMODULATOR
32 SECAM reference decoupling
3 chrominance
2 outputs
28 filter reference decoupling
CHROMINANCE BANNDPASS
PLL
HUE
PAL/NTSC DEMODULATOR
SWITCH
picture-in-picture output 20
29 PLL loop filter
digital supply decoupling 8
BIAS
DELAY
TRAP
27 13 analog grounds
9 digital ground
7 positive supply
1 luminance output
31 second crystal input
30 reference crystal input

NOTE: CVBS = Composite Video Baseband Signal

MC14528BCP

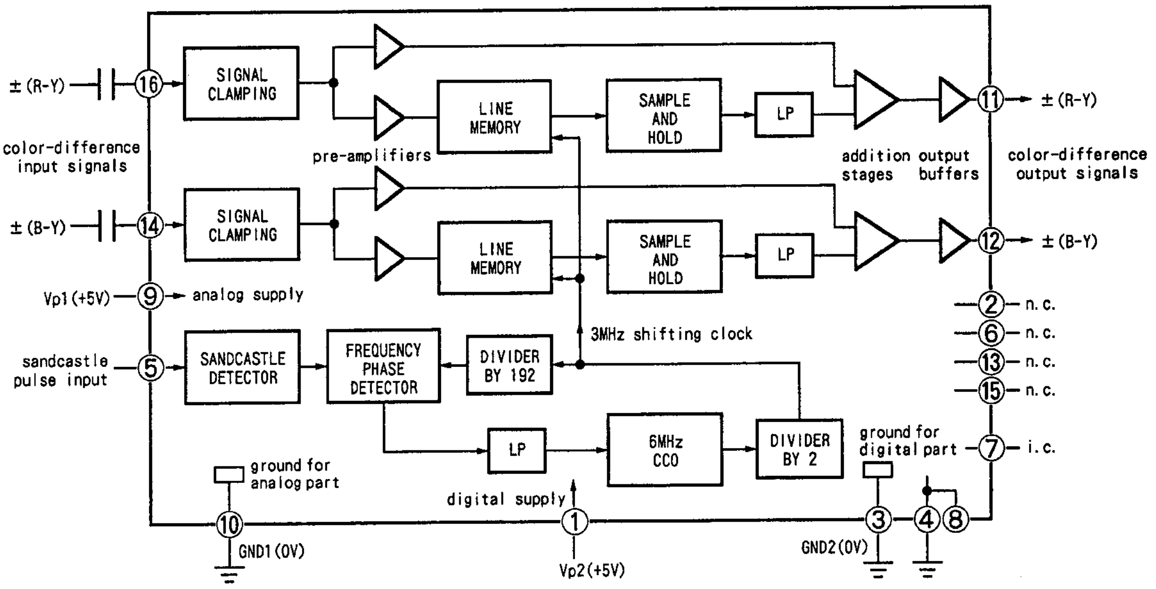


Cx1
Rx1
16 VDD
1
2
A1 4
B1 5
6 Q1
7 $\overline{Q1}$
VDD
$\overline{Reset1}$ 3
Cx2
Rx2
16
15
14
A2 12
B2 11
10 Q2
9 $\overline{Q2}$
$\overline{Reset2}$ 13

FUNCTION TABLE

Inputs			Outputs	
$\overline{Reset}$	A	B	Q	$\overline{Q}$
H	↑	H	⊓	⊔
H	L	↓	⊓	⊔
H	↑ ↓	L	Not Triggered	
H	H	↑ ↓	Not Triggered	
H	L, H, ↓	H	Not Triggered	
H	L	L, H, ↑	Not Triggered	
L	X	X	L	H
↓ ↑	X	X	Not Triggered	

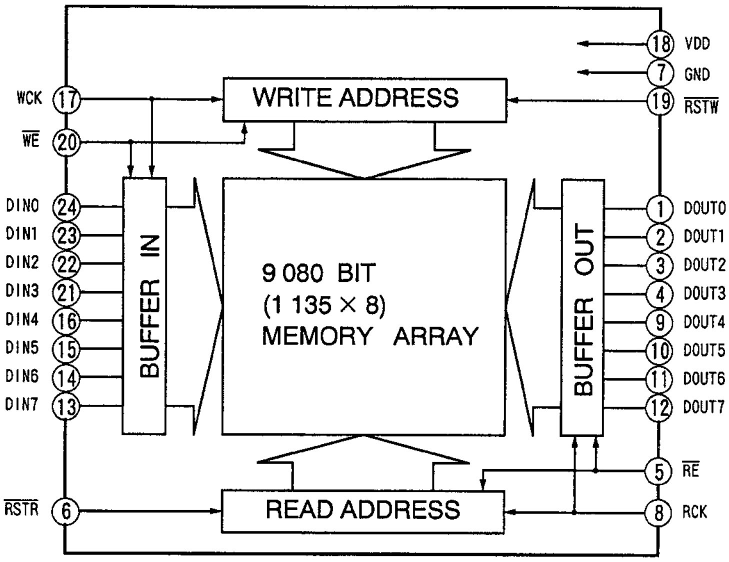
TDA4661/V2
DELAY LINE



±(R-Y)
16
SIGNAL CLAMPING
color-difference input signals
pre-amplifiers
LINE MEMORY
SAMPLE AND HOLD
LP
addition stages
output buffers
11
±(R-Y)
color-difference output signals
±(B-Y)
14
SIGNAL CLAMPING
LINE MEMORY
SAMPLE AND HOLD
LP
12
±(B-Y)
Vp1(+5V)
9
analog supply
3MHz shifting clock
2 n.c.
6 n.c.
13 n.c.
15 n.c.
sandcastle pulse input
5
SANDCASTLE DETECTOR
FREQUENCY PHASE DETECTOR
DIVIDER BY 192
LP
6MHz CCO
DIVIDER BY 2
ground for digital part
7 i.c.
ground for analog part
digital supply
10
GND1(0V)
1
Vp2(+5V)
3
4
8
GND2(0V)

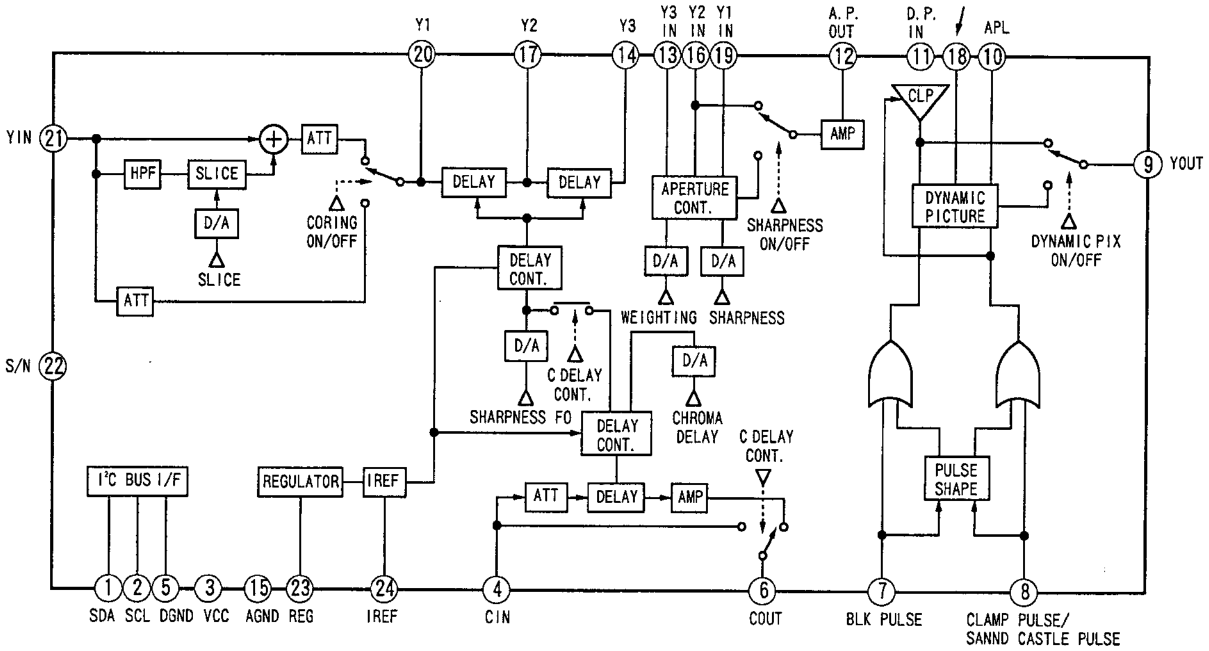
NOTE: n.c. = not connected, i.c. = internally connected.

μ PD42102G-3
PAL LINE BUFFER


VDD
GND
$\overline{\text{RSTW}}$
WCK
$\overline{\text{WE}}$
WRITE ADDRESS
DIN0
DIN1
DIN2
DIN3
DIN4
DIN5
DIN6
DIN7
BUFFER IN
9 080 BIT
(1 135 × 8)
MEMORY ARRAY
BUFFER OUT
DOUT0
DOUT1
DOUT2
DOUT3
DOUT4
DOUT5
DOUT6
DOUT7
$\overline{\text{RE}}$
RCK
$\overline{\text{RSTR}}$
READ ADDRESS
18
7
19
17
20
24
23
22
21
16
15
14
13
1
2
3
4
9
10
11
12
5
6
8

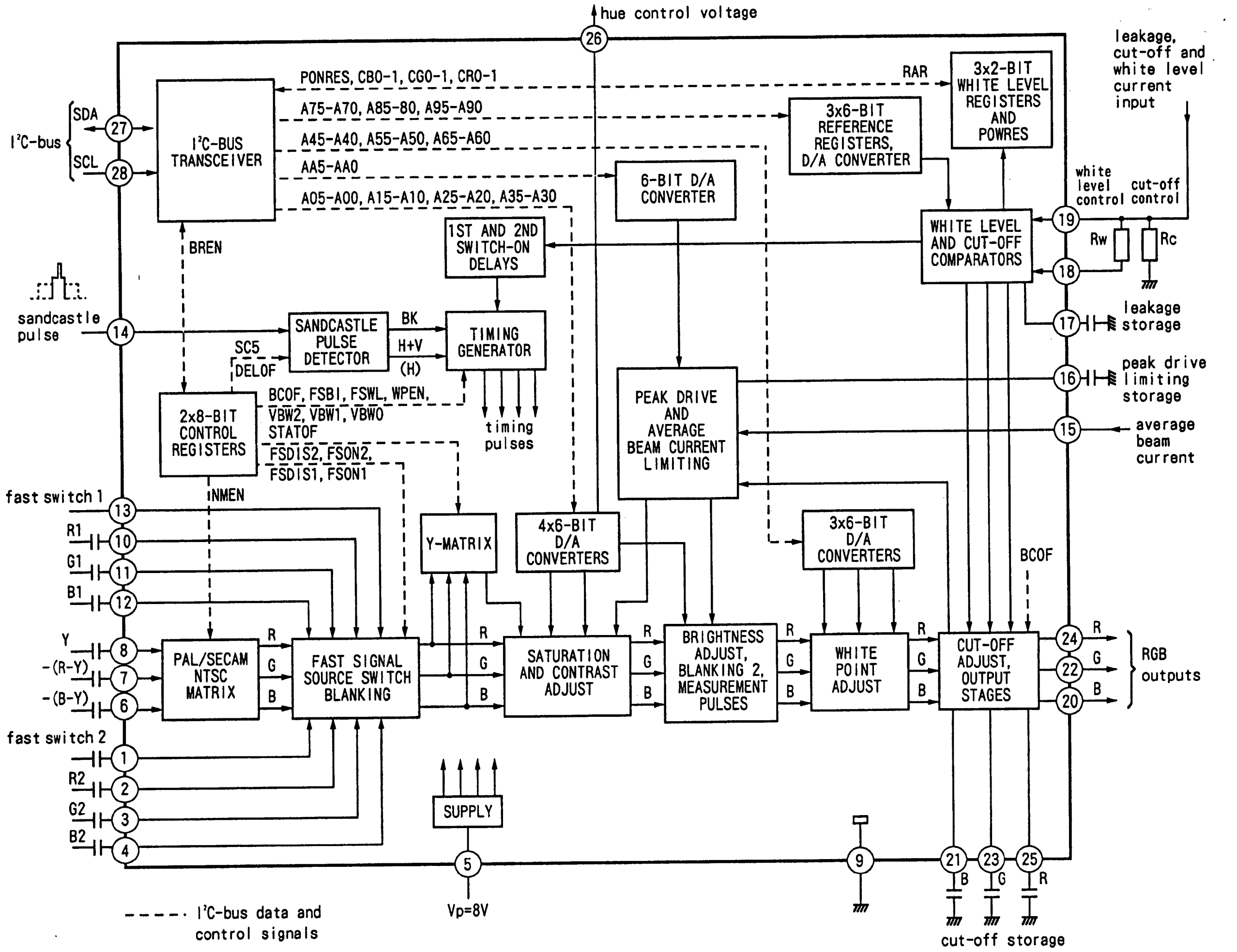
DIN0-DIN7	DATA IN
DOUT0-DOUT7	DATA OUT
WCK	WRITE CLOCK IN
RCK	READ CLOCK IN
$\overline{\text{WE}}$	WRITE ENABLE IN
$\overline{\text{RE}}$	READ ENABLE IN
$\overline{\text{RSTW}}$	RESET WRITE IN
$\overline{\text{RSTR}}$	RESET READ IN
VDD	
GND	GROUND

CXA1420P
VIDEO TONE


Y1
Y2
Y3
Y3 IN
Y2 IN
Y1 IN
A. P. OUT
D. P. IN
BHOLD
APL
YIN
ATT
HPF
SLICE
D/A
SLICE
CORING ON/OFF
DELAY
DELAY
DELAY CONT.
APERTURE CONT.
SHARPNESS ON/OFF
AMP
CLP
DYNAMIC PICTURE
DYNAMIC PIX ON/OFF
YOUT
ATT
D/A
D/A
WEIGHTING
SHARPNESS
D/A
C DELAY CONT.
SHARPNESS F0
D/A
CHROMA DELAY
DELAY CONT.
C DELAY CONT.
S/N
I²C BUS I/F
REGULATOR
IREF
ATT
DELAY
AMP
PULSE SHAPE
SDA
SCL
DGND
VCC
AGND
REG
IREF
CIN
COUT
BLK PULSE
CLAMP PULSE/
SANND CASTLE PULSE
20
17
14
13
16
19
12
11
18
10
21
9
22
1
2
5
3
15
23
24
4
6
7
8

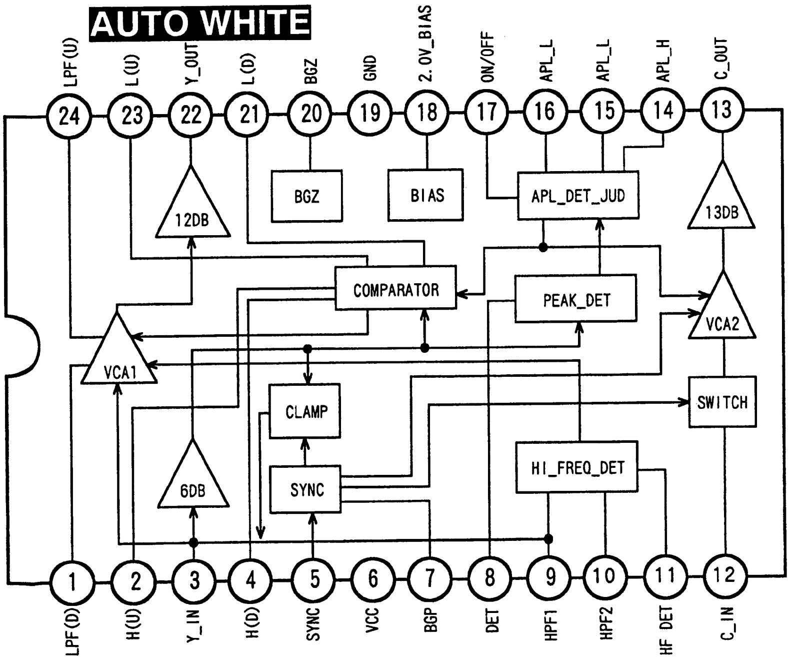
TDA4680

Video Processor, with automatic cut – off and white level control


hue control voltage
26
leakage, cut-off and white level current input
PONRES, CB0-1, CG0-1, CR0-1
RAR
3x2-BIT WHITE LEVEL REGISTERS AND POWRES
A75-A70, A85-80, A95-A90
3x6-BIT REFERENCE REGISTERS, D/A CONVERTER
A45-A40, A55-A50, A65-A60
AA5-AA0
6-BIT D/A CONVERTER
A05-A00, A15-A10, A25-A20, A35-A30
I²C-bus
SDA
SCL
27
28
I²C-BUS TRANSCEIVER
BREN
1ST AND 2ND SWITCH-ON DELAYS
WHITE LEVEL AND CUT-OFF COMPARATORS
white level control
cut-off control
19
18
Rw
Rc
sandcastle pulse
14
SANDCASTLE PULSE DETECTOR
BK
H+V
(H)
TIMING GENERATOR
SC5
DELOF
17
leakage storage
16
peak drive limiting storage
15
average beam current
PEAK DRIVE AND AVERAGE BEAM CURRENT LIMITING
2x8-BIT CONTROL REGISTERS
BCOF, FSBI, FSWL, WPEN,
VBW2, VBW1, VBW0
STATOF
FSDIS2, FSON2,
FSDIS1, FSON1
timing pulses
NMEN
fast switch 1
13
R1
10
G1
11
B1
12
Y-MATRIX
4x6-BIT D/A CONVERTERS
3x6-BIT D/A CONVERTERS
BCOF
Y
8
-(R-Y)
7
-(B-Y)
6
PAL/SECAM NTSC MATRIX
R
G
B
FAST SIGNAL SOURCE SWITCH BLANKING
SATURATION AND CONTRAST ADJUST
BRIGHTNESS ADJUST, BLANKING 2, MEASUREMENT PULSES
WHITE POINT ADJUST
CUT-OFF ADJUST, OUTPUT STAGES
24
22
20
RGB outputs
fast switch 2
1
R2
2
G2
3
B2
4
SUPPLY
5
Vp=8V
9
21
23
25
cut-off storage
----- I²C-bus data and control signals

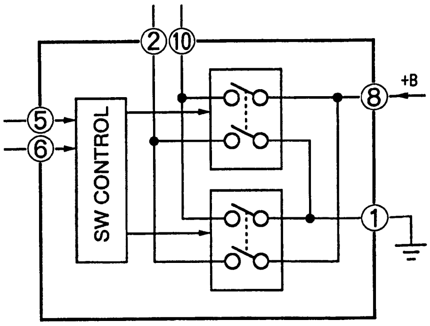
LA7668N

AUTO WHITE


LPF(U)
L(U)
Y_OUT
L(D)
BGZ
GND
2.0V_BIAS
ON/OFF
APL_L
APL_L
APL_H
C_OUT
24
23
22
21
20
19
18
17
16
15
14
13
BGZ
BIAS
APL_DET_JUD
12DB
13DB
COMPARATOR
PEAK_DET
VCA2
VCA1
CLAMP
SWITCH
SYNC
HI_FREQ_DET
6DB
1
2
3
4
5
6
7
8
9
10
11
12
LPF(D)
H(U)
Y_IN
H(D)
SYNC
VCC
BGP
DET
HPF1
HPF2
HF DET
C_IN

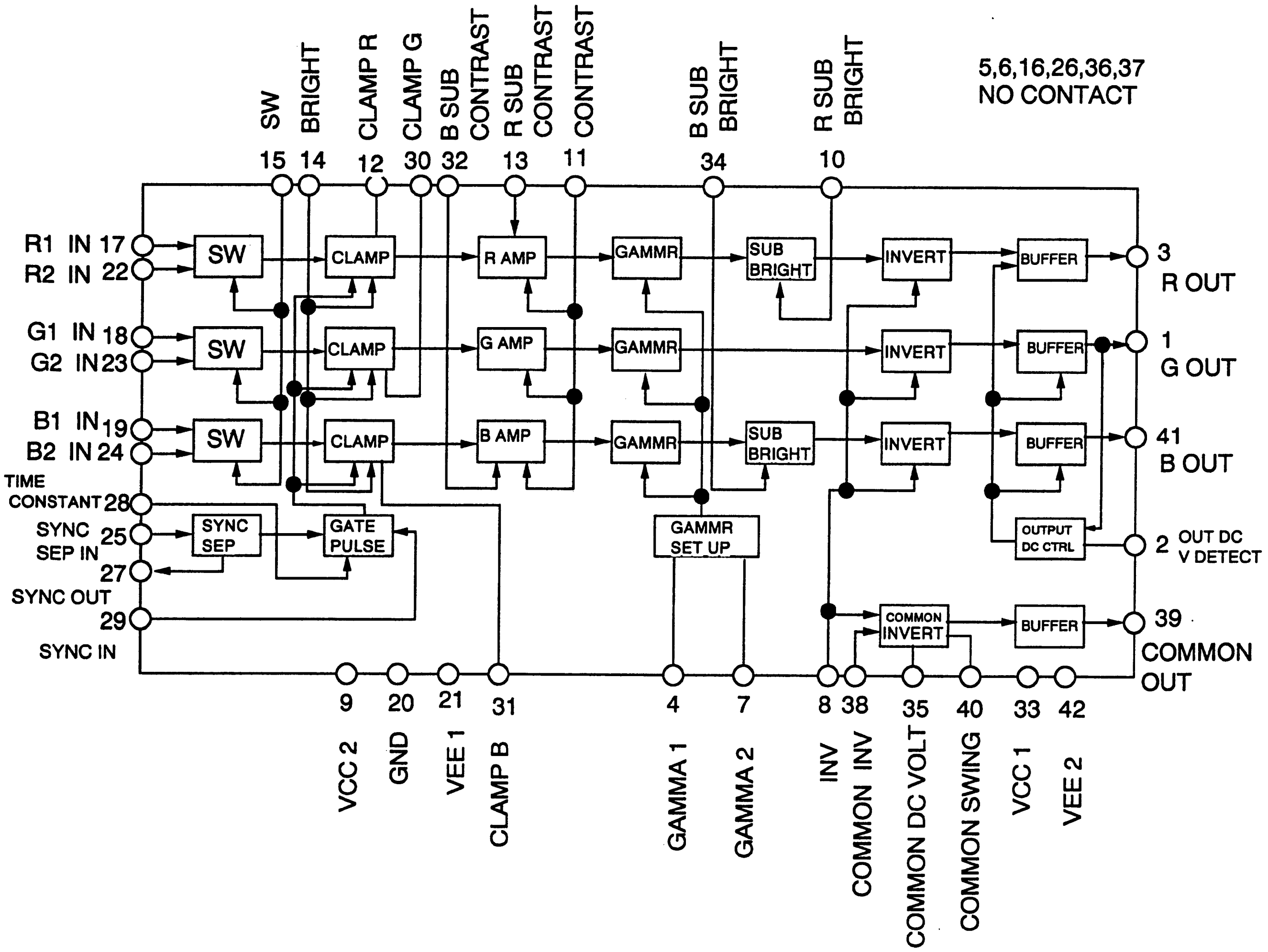
LB1641

ZOOM/FOCUS MOTOR DRIVE

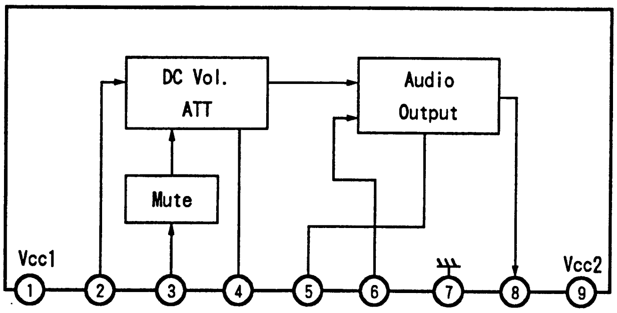

2
10
5
6
SW CONTROL
8
+B
1

IR3Y07

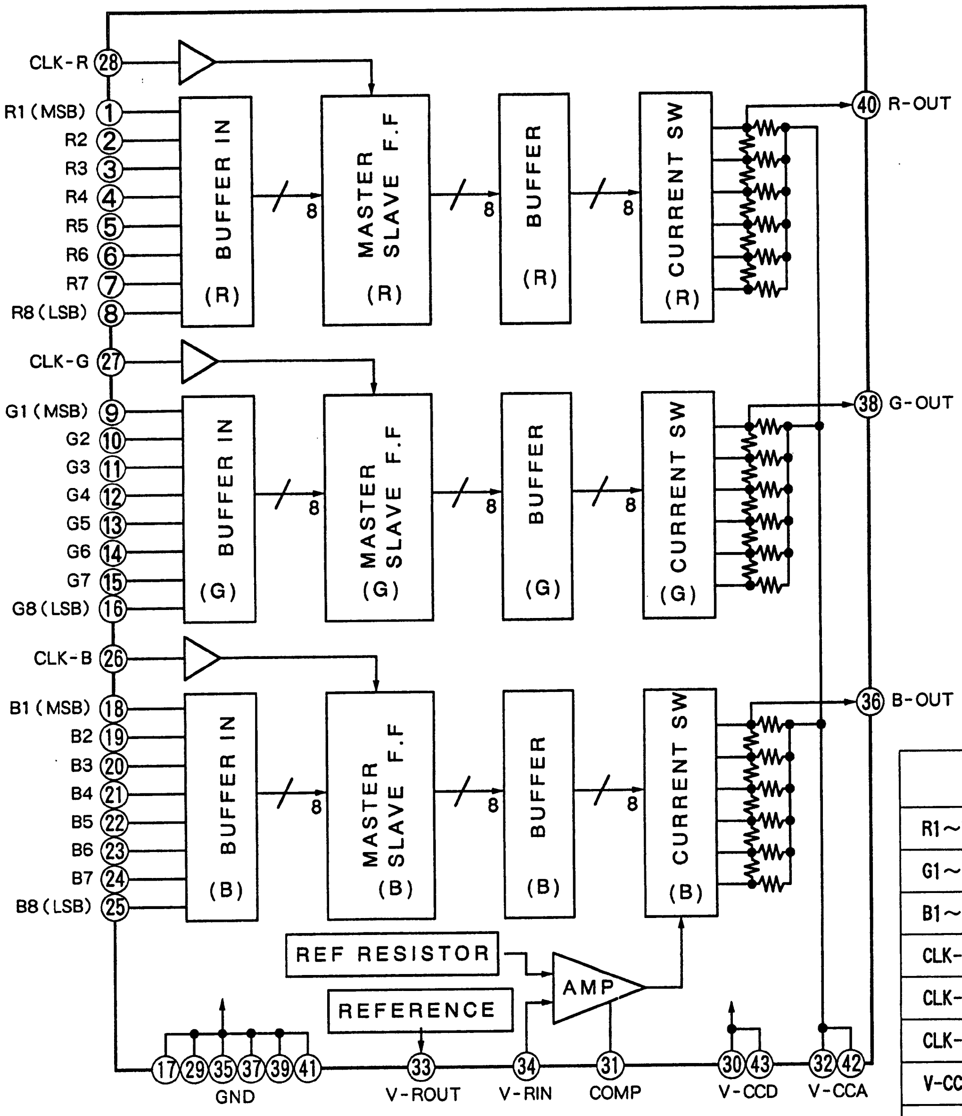
RGB INTEFACE DRIVER


SW
BRIGHT
CLAMP R
CLAMP G
B SUB CONTRAST
R SUB CONTRAST
CONTRAST
B SUB BRIGHT
R SUB BRIGHT
5,6,16,26,36,37
NO CONTACT
15 14 12 30 32 13 11 34 10
R1 IN 17
R2 IN 22
G1 IN 18
G2 IN 23
B1 IN 19
B2 IN 24
TIME CONSTANT 28
SYNC SEP IN 25
27
SYNC OUT
29
SYNC IN
SW
SW
SW
CLAMP
CLAMP
CLAMP
R AMP
G AMP
B AMP
GAMMR
GAMMR
GAMMR
SUB BRIGHT
SUB BRIGHT
INVERT
INVERT
INVERT
BUFFER
BUFFER
BUFFER
SYNC SEP
GATE PULSE
GAMMR SET UP
OUTPUT DC CTRL
COMMON INVERT
BUFFER
3
R OUT
1
G OUT
41
B OUT
2 OUT DC V DETECT
39
COMMON OUT
9 20 21 31 4 7 8 38 35 40 33 42
VCC 2
GND
VEE 1
CLAMP B
GAMMA 1
GAMMA 2
INV
COMMON INV
COMMON DC VOLT
COMMON SWING
VCC 1
VEE 2

AN5265


DC Vol. ATT
Audio Output
Mute
Vcc1
Vcc2
①
②
③
④
⑤
⑥
⑦
⑧
⑨

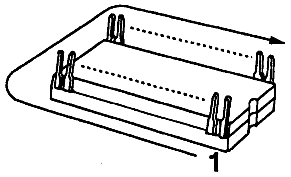
MB40978
D/ACONVERTER

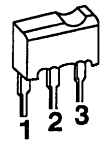

CLK-R 28
R1 (MSB) 1
R2 2
R3 3
R4 4
R5 5
R6 6
R7 7
R8 (LSB) 8
BUFFER IN (R)
MASTER SLAVE F.F (R)
BUFFER (R)
CURRENT SW (R)
8
40 R-OUT
CLK-G 27
G1 (MSB) 9
G2 10
G3 11
G4 12
G5 13
G6 14
G7 15
G8 (LSB) 16
BUFFER IN (G)
MASTER SLAVE F.F (G)
BUFFER (G)
CURRENT SW (G)
38 G-OUT
CLK-B 26
B1 (MSB) 18
B2 19
B3 20
B4 21
B5 22
B6 23
B7 24
B8 (LSB) 25
BUFFER IN (B)
MASTER SLAVE F.F (B)
BUFFER (B)
CURRENT SW (B)
36 B-OUT
REF RESISTOR
REFERENCE
AMP
17 29 35 37 39 41
GND
33
V-ROUT
34
V-RIN
31
COMP
30 43
V-CCD
32 42
V-CCA

R1～R8	R CH DIGITAL IN
G1～G8	G CH DIGITAL IN
B1～B8	B CH DIGITAL IN
CLK-R	R CH CLOCK IN
CLK-G	G CH CLOCK IN
CLK-B	B CH CLOCK IN
V-CCD	DIGITAL VCC IN (5V±5%)
V-CCA	ANALOG VCC IN (5V±5%)
GND	GROUND
V-RIN	REFERENCE VOLT IN
V-ROUT	REFERENCE VOLT OUT
COMP	PHASE CONTROL
R-OUT	R CH ANALOG OUT
G-OUT	G CH ANALOG OUT
B-OUT	B CH ANALOG OUT
NC	NO CONTACT

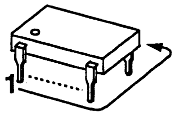
【 IC•Tr Package Outline Drawings 】

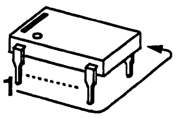
INTEGRATED CIRCUIT

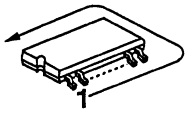


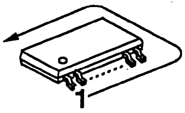


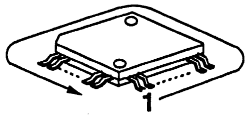
MN1380 – S



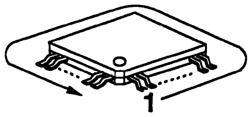




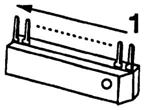




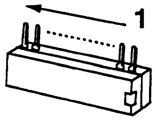
LA7665A
LC92041
LC93220



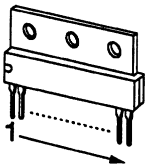
A1020B – PQ100C
A1280A – PQ160C
MN56070 MN56020
UPC5024 MB40978



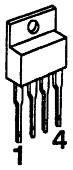
LA7213



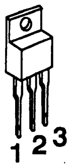
LB1641



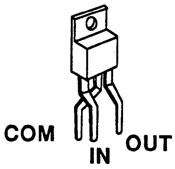
AN5265



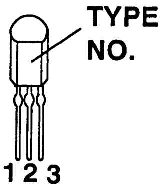
PQ30RV31



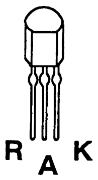
L78M05
L78M08
TA79008S



L7815 – RA

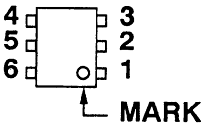


TA79L008P
TA79L005P



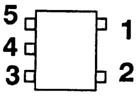
UPC1093J

PHOTO-COUPLER


4
5
6
3
2
1
MARK

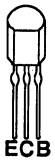
PC113
TLP647 CNY17F

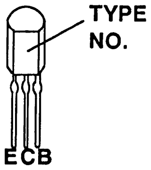
(CHIP TYPE)



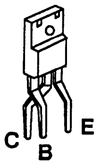
FMQ1

TRANSISTOR

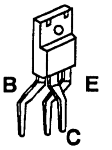




2SC3070

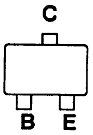


2SB1274



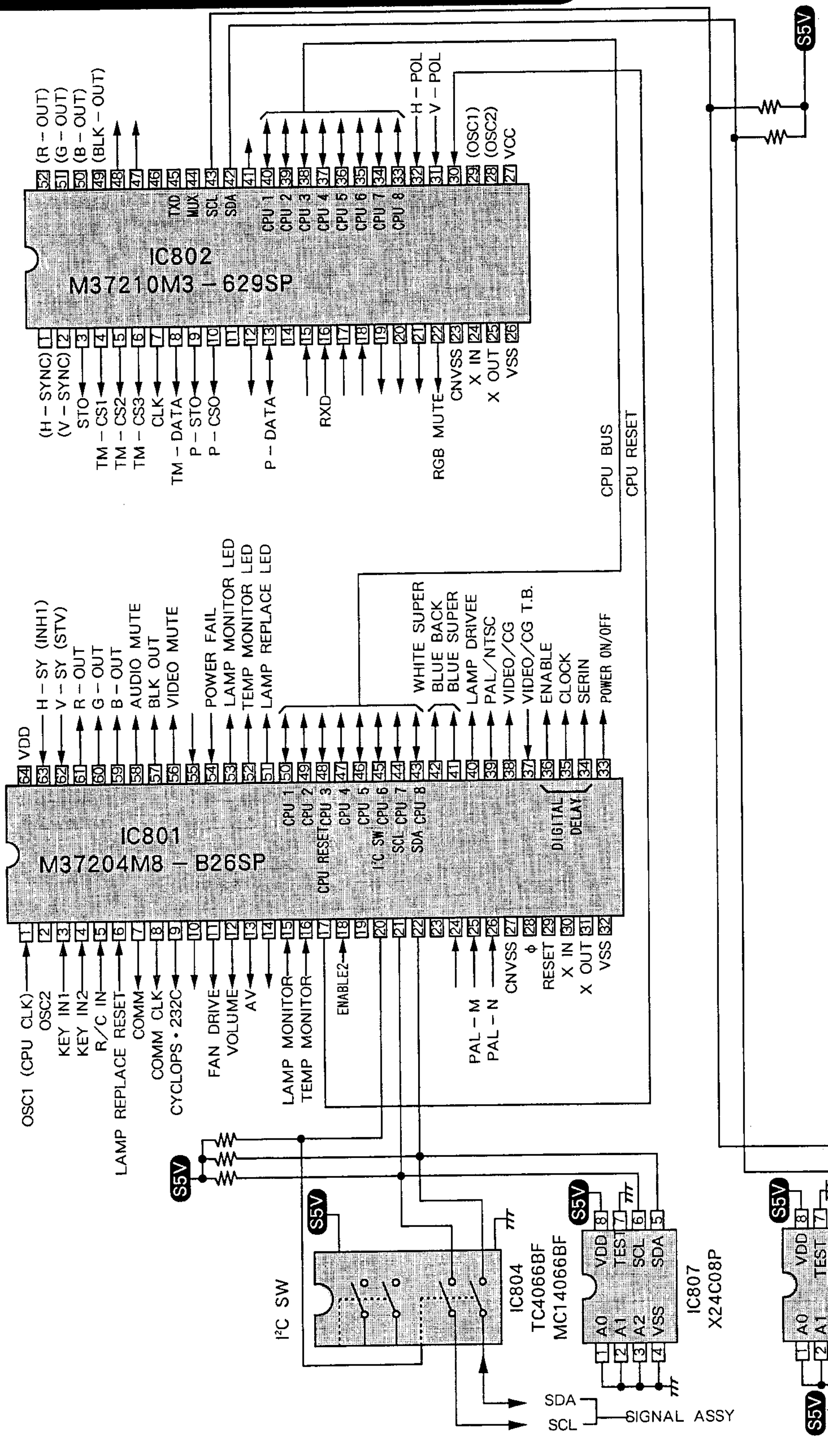
2SC4423
2SD1913

(CHIP TYPE)



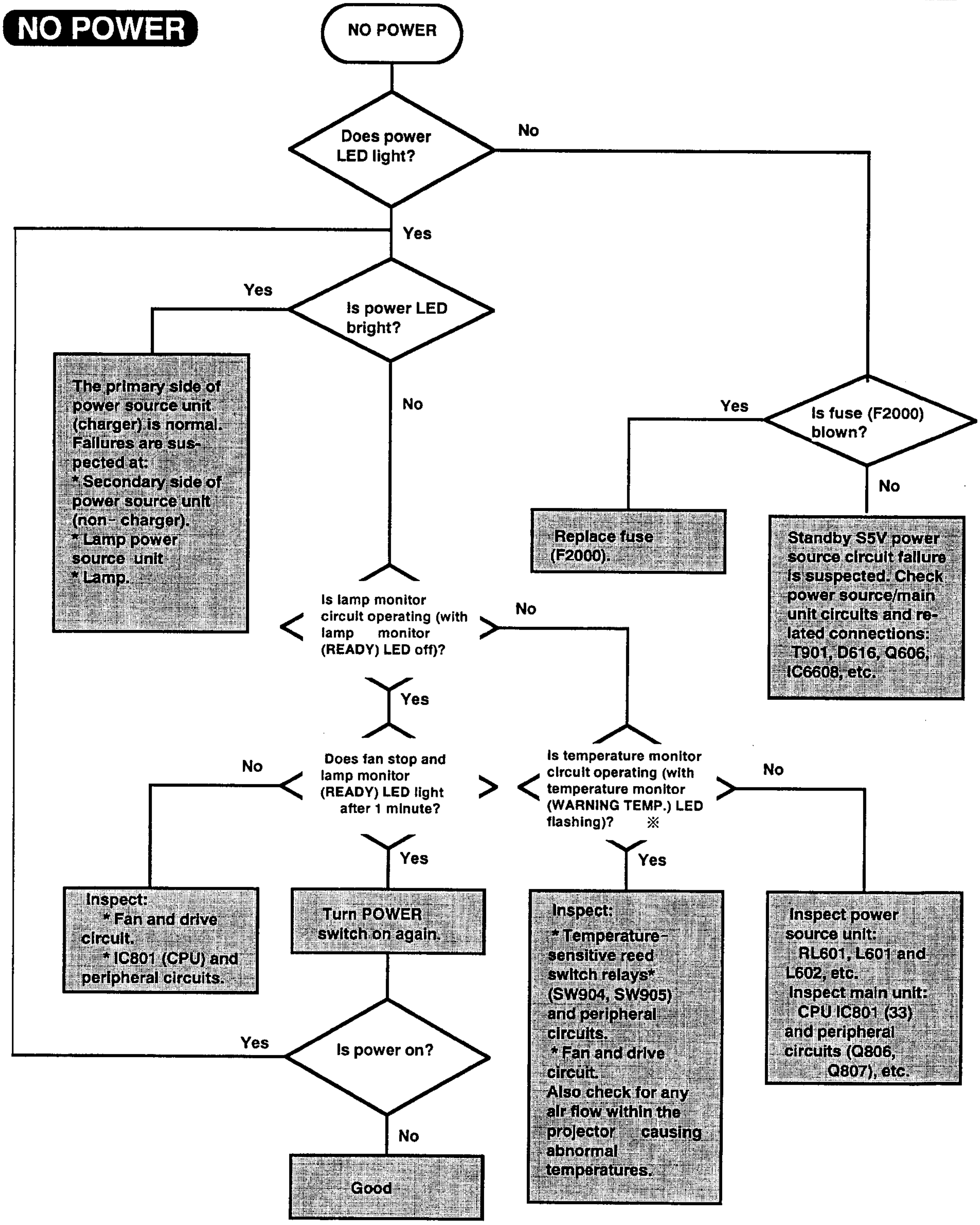
C:COLLECTOR
B:BASE
E:EMITTER

CPU IN/OUT SIGNAL & FUNCTION


IC802
M37210M3 – 629SP
(R – OUT)
(G – OUT)
(B – OUT)
(BLK – OUT)
TXD
MUX
SCL
SDA
CPU 1
CPU 2
CPU 3
CPU 4
CPU 5
CPU 6
CPU 7
CPU 8
H – POL
V – POL
(OSC1)
(OSC2)
VCC
(H – SYNC)
(V – SYNC)
STO
TM – CS1
TM – CS2
TM – CS3
CLK
TM – DATA
P – STO
P – CSO
P – DATA
RXD
RGB MUTE
CNVSS
X IN
X OUT
VSS
CPU BUS
CPU RESET
S5V
IC801
M37204M8 – B26SP
VDD
H – SY (INH1)
V – SY (STV)
R – OUT
G – OUT
B – OUT
AUDIO MUTE
BLK OUT
VIDEO MUTE
POWER FAIL
LAMP MONITOR LED
TEMP MONITOR LED
LAMP REPLACE LED
WHITE SUPER
BLUE BACK
BLUE SUPER
LAMP DRIVEE
PAL/NTSC
VIDEO/CG
VIDEO/CG T.B.
ENABLE
CLOCK
SERIN
POWER ON/OFF
CPU RESET
I²C SW
SCL
SDA
DIGITAL DELAY
OSC1 (CPU CLK)
OSC2
KEY IN1
KEY IN2
R/C IN
LAMP REPLACE RESET
COMM
COMM CLK
CYCLOPS • 232C
FAN DRIVE
VOLUME
AV
LAMP MONITOR
TEMP MONITOR
ENABLE2
PAL – M
PAL – N
CNVSS
φ
RESET
X IN
X OUT
VSS
I²C SW
IC804
TC4066BF
MC14066BF
VDD
TEST
A0
A1
A2
IC807
X24C08P
IC808
X24C08P
SDA
SCL
SIGNAL ASSY

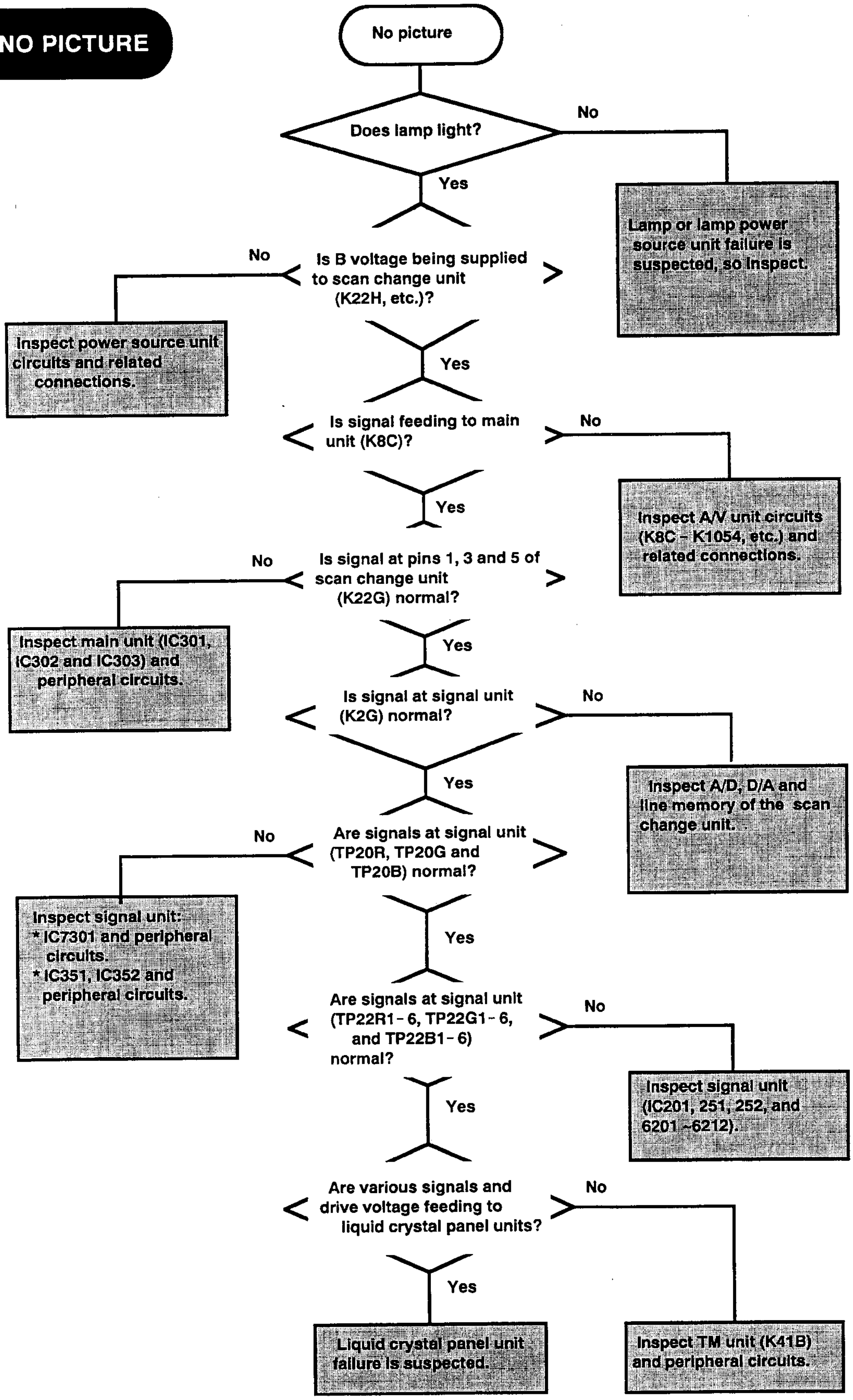
The chart below is a troubleshooting guide on projector circuits and describes general procedure for locating trouble spots. Please refer to the chart for unit maintenance and inspection.

NO POWER

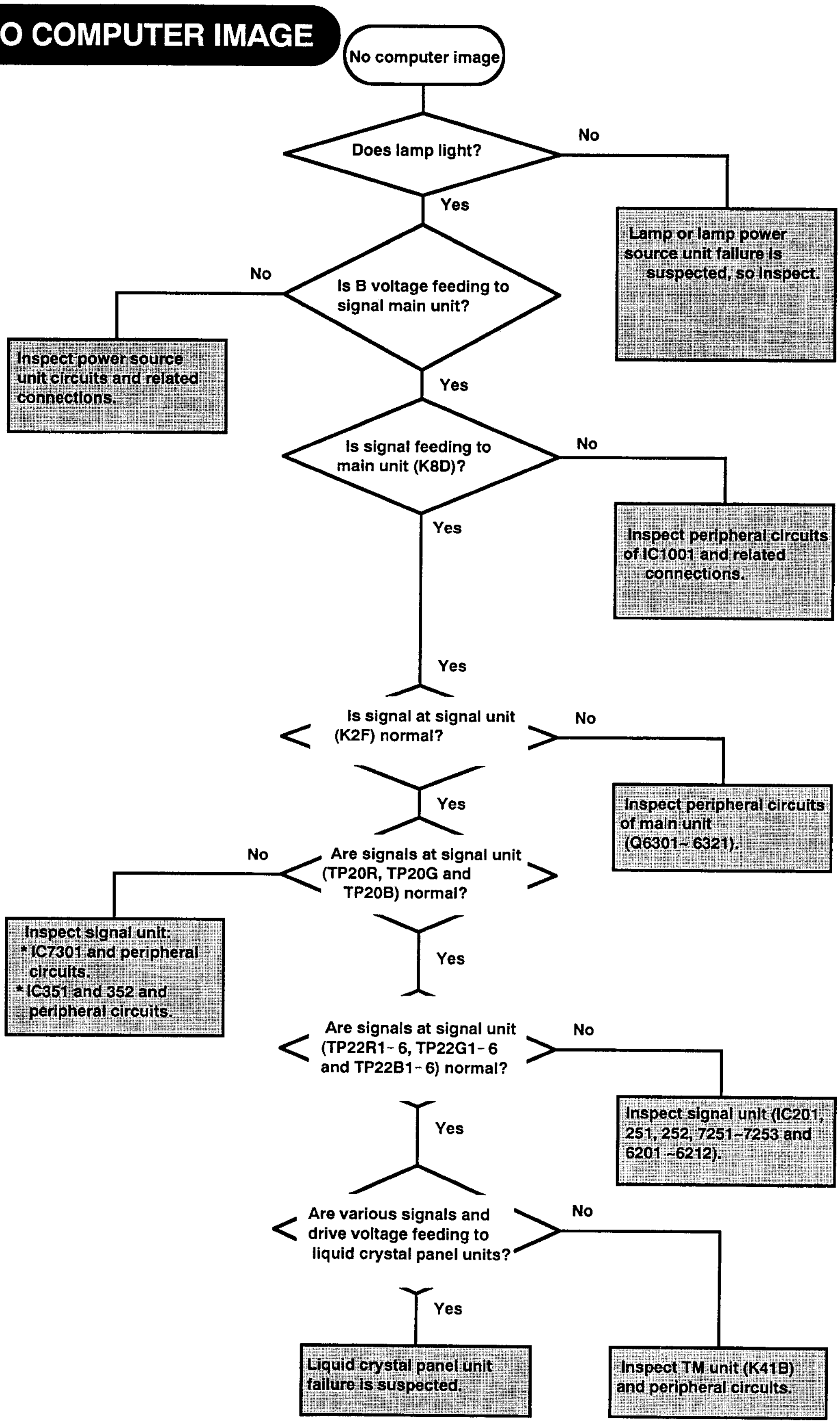

NO POWER
Does power LED light?
No
Yes
Is power LED bright?
Yes
The primary side of power source unit (charger) is normal. Failures are suspected at:
* Secondary side of power source unit (non- charger).
* Lamp power source unit
* Lamp.
No
Is fuse (F2000) blown?
Yes
Replace fuse (F2000).
No
Standby S5V power source circuit failure is suspected. Check power source/main unit circuits and related connections: T901, D616, Q606, IC6608, etc.
Is lamp monitor circuit operating (with lamp monitor (READY) LED off)?
No
Yes
Does fan stop and lamp monitor (READY) LED light after 1 minute?
No
Inspect:
* Fan and drive circuit.
* IC801 (CPU) and peripheral circuits.
Yes
Turn POWER switch on again.
Is power on?
Yes
No
Good
Is temperature monitor circuit operating (with temperature monitor (WARNING TEMP.) LED flashing)? ※
Yes
Inspect:
* Temperature-sensitive reed switch relays* (SW904, SW905) and peripheral circuits.
* Fan and drive circuit.
Also check for any air flow within the projector causing abnormal temperatures.
No
Inspect power source unit:
RL601, L601 and L602, etc.
Inspect main unit:
CPU IC801 (33) and peripheral circuits (Q806, Q807), etc.

※ The temperature-sensitive reed switch relays (SW904, SW905) are normally on.

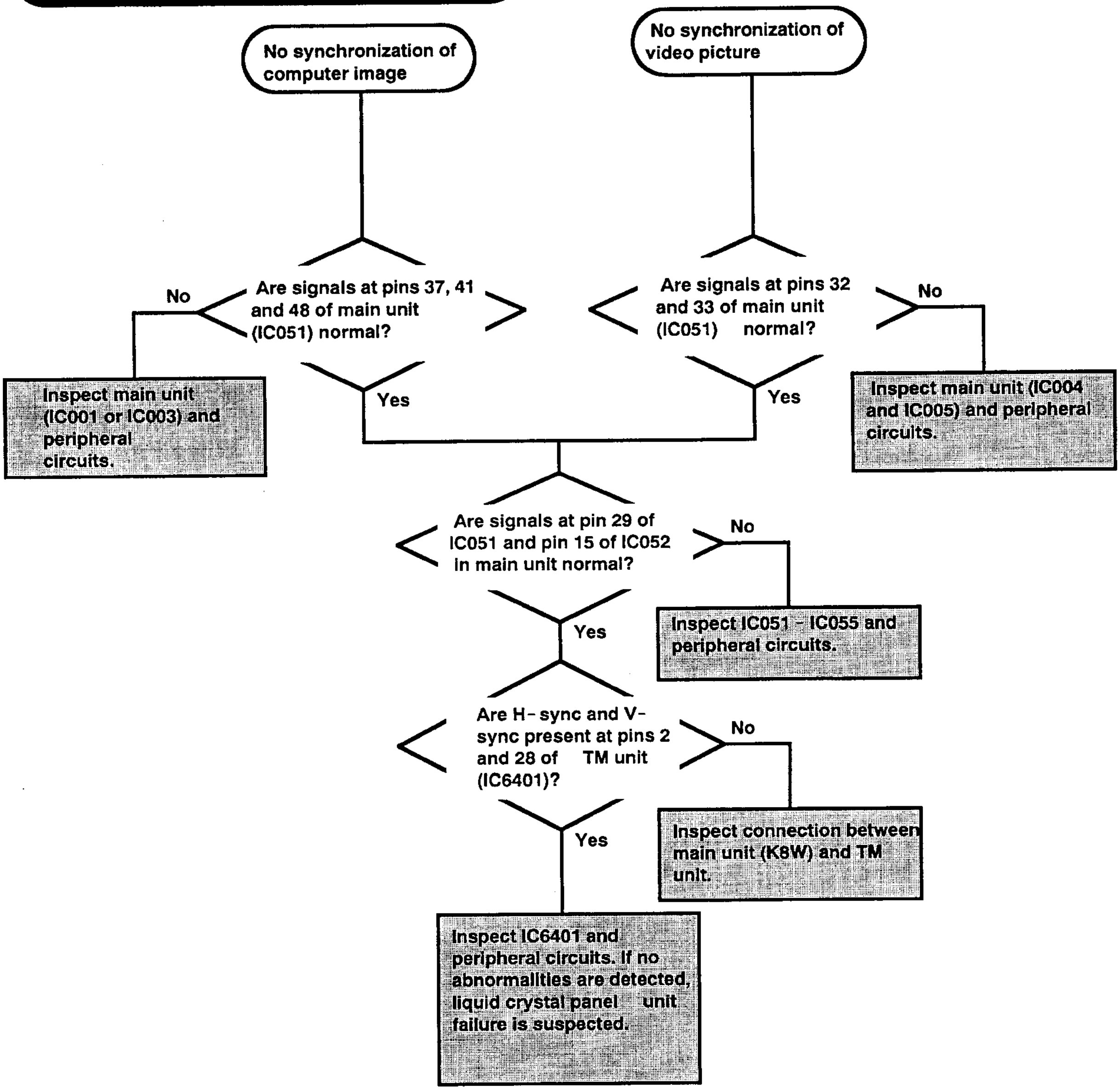
NO PICTURE


No picture
Does lamp light?
No
Lamp or lamp power source unit failure is suspected, so inspect.
Yes
Is B voltage being supplied to scan change unit (K22H, etc.)?
No
Inspect power source unit circuits and related connections.
Yes
Is signal feeding to main unit (K8C)?
No
Inspect A/V unit circuits (K8C - K1054, etc.) and related connections.
Yes
Is signal at pins 1, 3 and 5 of scan change unit (K22G) normal?
No
Inspect main unit (IC301, IC302 and IC303) and peripheral circuits.
Yes
Is signal at signal unit (K2G) normal?
No
Inspect A/D, D/A and line memory of the scan change unit.
Yes
Are signals at signal unit (TP20R, TP20G and TP20B) normal?
No
Inspect signal unit:
* IC7301 and peripheral circuits.
* IC351, IC352 and peripheral circuits.
Yes
Are signals at signal unit (TP22R1 - 6, TP22G1 - 6, and TP22B1 - 6) normal?
No
Inspect signal unit (IC201, 251, 252, and 6201 - 6212).
Yes
Are various signals and drive voltage feeding to liquid crystal panel units?
No
Inspect TM unit (K41B) and peripheral circuits.
Yes
Liquid crystal panel unit failure is suspected.

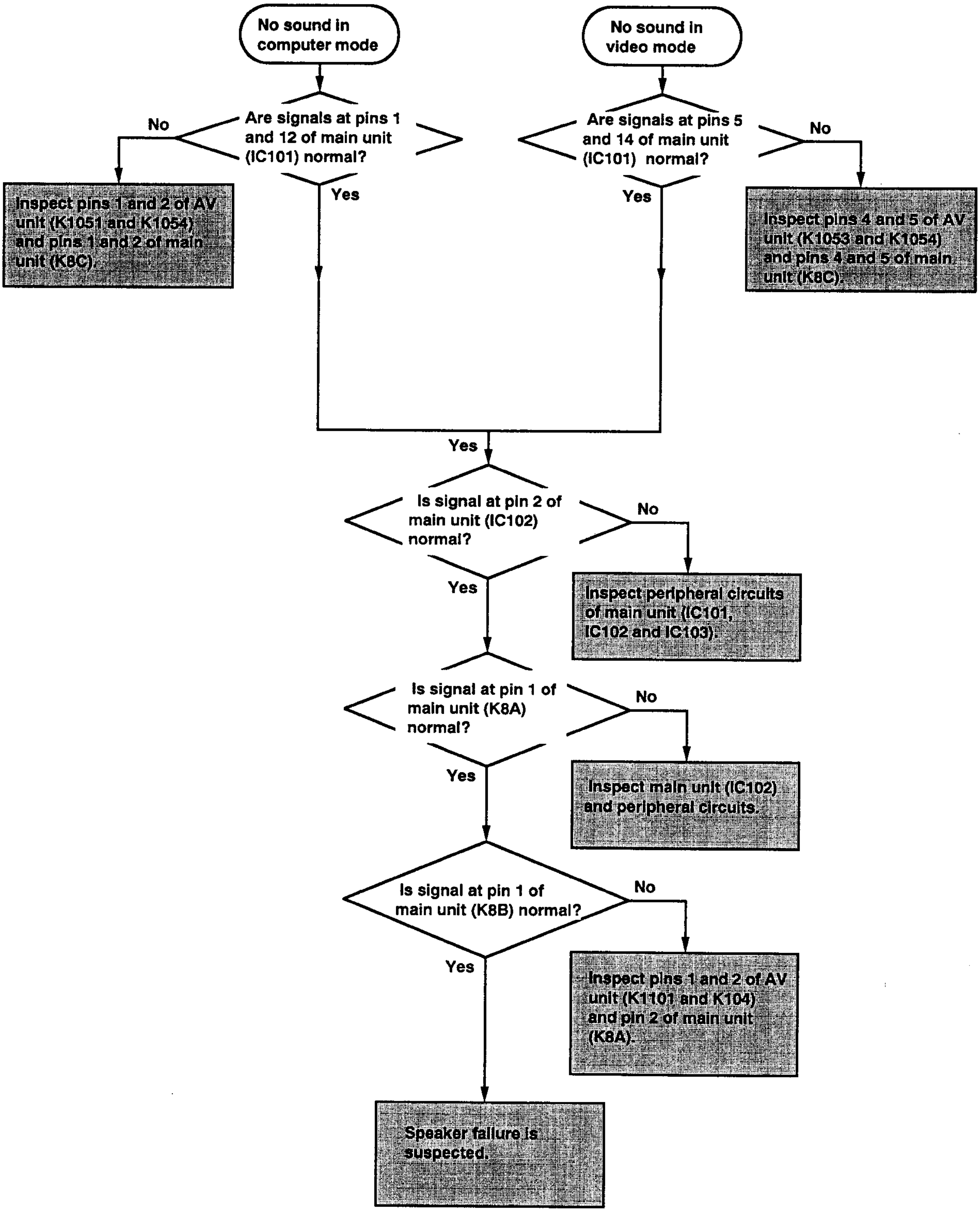
NO COMPUTER IMAGE


No computer image
Does lamp light?
No
Lamp or lamp power source unit failure is suspected, so inspect.
Yes
Is B voltage feeding to signal main unit?
No
Inspect power source unit circuits and related connections.
Yes
Is signal feeding to main unit (K8D)?
No
Inspect peripheral circuits of IC1001 and related connections.
Yes
Yes
Is signal at signal unit (K2F) normal?
No
Inspect peripheral circuits of main unit (Q6301~6321).
Yes
Are signals at signal unit (TP20R, TP20G and TP20B) normal?
No
Inspect signal unit:
* IC7301 and peripheral circuits.
* IC351 and 352 and peripheral circuits.
Yes
Are signals at signal unit (TP22R1-6, TP22G1-6 and TP22B1-6) normal?
No
Inspect signal unit (IC201, 251, 252, 7251~7253 and 6201~6212).
Yes
Are various signals and drive voltage feeding to liquid crystal panel units?
No
Inspect TM unit (K41B) and peripheral circuits.
Yes
Liquid crystal panel unit failure is suspected.

NO SYNCHRONIZATION

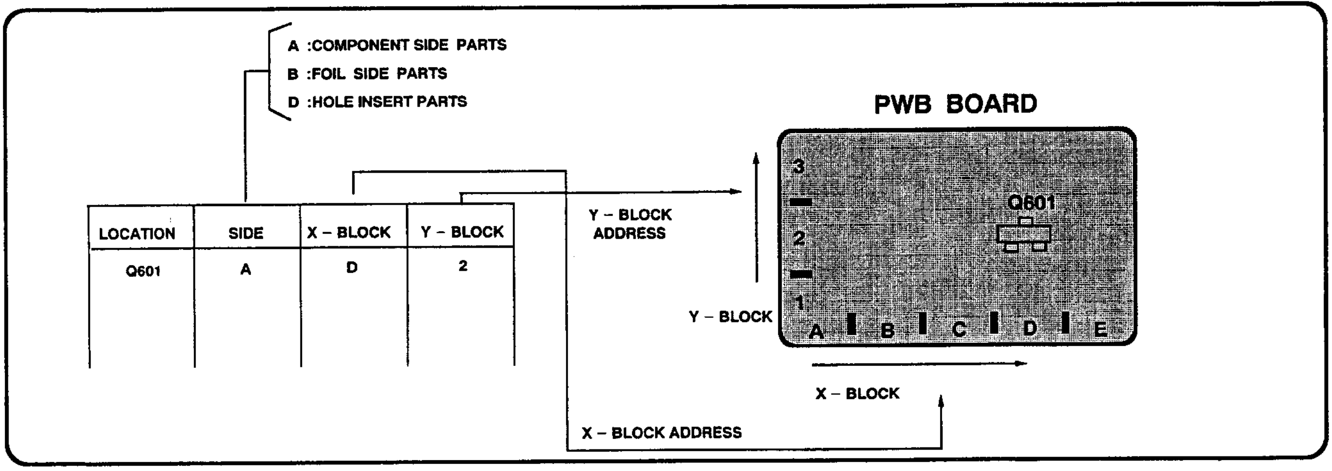

No synchronization of computer image
No synchronization of video picture
Are signals at pins 37, 41 and 48 of main unit (IC051) normal?
No
Inspect main unit (IC001 or IC003) and peripheral circuits.
Yes
Are signals at pins 32 and 33 of main unit (IC051) normal?
No
Inspect main unit (IC004 and IC005) and peripheral circuits.
Yes
Are signals at pin 29 of IC051 and pin 15 of IC052 in main unit normal?
No
Inspect IC051 - IC055 and peripheral circuits.
Yes
Are H-sync and V-sync present at pins 2 and 28 of TM unit (IC6401)?
No
Inspect connection between main unit (K8W) and TM unit.
Yes
Inspect IC6401 and peripheral circuits. If no abnormalities are detected, liquid crystal panel unit failure is suspected.

NO SOUND


No sound in computer mode
No sound in video mode
Are signals at pins 1 and 12 of main unit (IC101) normal?
No
Inspect pins 1 and 2 of AV unit (K1051 and K1054) and pins 1 and 2 of main unit (K8C).
Yes
Are signals at pins 5 and 14 of main unit (IC101) normal?
No
Inspect pins 4 and 5 of AV unit (K1053 and K1054) and pins 4 and 5 of main unit (K8C).
Yes
Yes
Is signal at pin 2 of main unit (IC102) normal?
No
Inspect peripheral circuits of main unit (IC101, IC102 and IC103).
Yes
Is signal at pin 1 of main unit (K8A) normal?
No
Inspect main unit (IC102) and peripheral circuits.
Yes
Is signal at pin 1 of main unit (K8B) normal?
No
Inspect pins 1 and 2 of AV unit (K1101 and K104) and pin 2 of main unit (K8A).
Yes
Speaker failure is suspected.

[PARTS ADDRESS LIST]

See Component and Testpoint Locations


A :COMPONENT SIDE PARTS
B :FOIL SIDE PARTS
D :HOLE INSERT PARTS
PWB BOARD
LOCATION
SIDE
X – BLOCK
Y – BLOCK
Q601
A
D
2
Y – BLOCK ADDRESS
Y – BLOCK
X – BLOCK
X – BLOCK ADDRESS
3
2
1
Q601
A
B
C
D
E

MAIN BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
IC001	A	F	2
IC003	D	F	3
IC004	D	F	3
IC005	A	F	2
IC051	A	F	1
IC052	D	F	2
IC053	A	E	2
IC054	A	G	2
IC055	A	G	1
IC056	A	E	3
IC101	A	A	2
IC102	D	B	2
IC301	D	C	3
IC302	D	C	4
IC303	D	C	3
IC6301	A	B	4
IC6303	A	A	4
IC6306	D	D	4
IC6602	D	F	4
IC6603	D	G	3
IC6604	D	G	4
IC6606	D	G	3
IC6607	D	E	4
IC6608	D	G	3
IC801	D	C	3
IC802	D	E	1
IC804	A	C	2
IC806	D	C	1
IC807	D	C	2
IC808	D	E	1
K8A	D	A	2
K8B	D	A	4
K8C	D	A	3
K8D	D	A	4
K8E	D	A	4
K8F	D	B	3
K8G	D	C	4
K8H	D	E	4
K8I	D	E	3
K8J	D	E	3
K8K	D	G	3
K8L	D	C	3
K8M	D	G	4
K8N	D	D	4
K8O	D	D	4
K8P	D	C	2
K8Q	D	D	1
K8R	D	D	1
K8S	D	D	3
K8T	D	C	2
K8U	D	E	1
K8V	D	D	3
K8W	D	F	1
K8X	D	D	4
K8Y	D	D	3
K8Z	D	A	1
PC801	D	C	3
PC802	D	C	2
Q001	B	F	3
Q002	A	F	2
Q003	B	E	3
Q004	B	D	3
Q011	B	F	3
Q012	B	G	3
Q013	B	F	2
Q014	B	G	2
Q015	B	F	2
Q016	B	F	2
Q017	B	E	2
Q018	B	E	2
Q021	B	E	3
Q022	B	E	3
Q023	B	E	3
Q024	B	E	3
Q101	B	B	1
Q102	B	B	1
Q103	B	B	2
Q106	B	B	2
Q107	A	B	2
Q108	A	B	1
Q109	A	B	2
Q111	A	B	2
Q112	A	B	2
Q301	B	B	3
Q302	B	B	3
Q303	B	B	3
Q304	B	B	3
Q306	B	B	3
Q307	B	C	3
Q308	B	C	3
Q309	B	C	3
Q310	B	C	3
Q311	B	C	4
Q312	B	C	3
Q313	A	C	3
Q314	A	B	3
Q6301	A	A	3
Q6306	A	A	3
Q6307	A	A	3
Q6311	A	A	3
Q6321	A	A	3
Q6603	B	F	3
Q6604	B	G	4
Q6851	B	F	4
Q6852	B	E	4
Q6853	B	E	4
Q6854	B	E	4
Q801	A	D	3
Q806	A	D	2
Q807	A	D	2
SW6851	D	B	4
SW6852	D	B	4
SW6853	D	B	4
SW6854	D	C	4
SW6856	D	C	4
SW6857	D	C	4
SW6858	D	D	4
SW6859	D	D	4
SW6861	D	E	4
SW6862	D	G	4
X051	D	E	2
X052	D	F	3
X101	D	A	1
X102	D	A	1
X301	D	B	4
X302	D	B	3
X303	D	B	3
X304	D	C	3
X6601	D	G	3
X6602	D	G	4
X6603	D	F	3
X801	D	C	1
X802	D	E	2
X803	D	E	2
X804	D	E	2

SIGNAL BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
IC201	D	F	1
IC251	A	D	2
IC252	A	D	2
IC351	D	H	1
IC352	D	G	2
IC6201	A	C	3
IC6202	A	C	2
IC6203	A	C	2
IC6204	A	B	3
IC6205	A	B	3
IC6206	A	B	2
IC6207	A	B	2
IC6209	A	A	3
IC6210	A	A	2
IC6211	A	A	2
IC7221	D	E	3
IC7222	D	E	3
IC7223	D	F	3
IC7251	A	E	1
IC7252	A	E	2
IC7253	A	E	2
IC7301	A	G	2
K21A	A	D	1
K21B	A	B	2
K2B	D	F	2
K2F	D	H	3
K2G	D	H	1
K2GA	D	F	2
K2H	D	E	3
K2J	D	E	2
K2K	D	F	3
K2P	D	H	2
Q201	A	F	2
Q202	A	F	2
Q203	A	F	2
Q241	B	F	1
Q242	B	E	1
Q243	B	E	1
Q313	A	G	2
Q314	A	G	3
Q316	A	G	3
Q317	A	G	3
Q318	A	G	3
Q319	A	G	3
Q321	A	G	2
Q6301	A	C	3
Q6306	B	C	3
Q6311	A	C	3
Q6316	B	C	3
Q6321	A	C	3
Q6326	B	C	3
Q6331	A	D	3
Q6336	B	D	3
Q6341	A	D	3
Q6346	B	D	3
Q6351	A	D	3
Q6356	B	D	3
Q6361	A	D	3
Q6366	B	D	3
Q6371	A	D	3
Q6376	B	D	3
Q6381	A	D	3
Q6386	B	D	3
Q7301	B	G	2
Q7303	B	G	2
Q7304	A	H	2
Q7306	A	H	2
TE20	A	G	2
TE22R	A	C	1
TE61	A	B	3
TP20B	A	F	2
TP20G	A	F	2
TP20R	A	G	2
TP21B	A	F	1
TP21G	A	E	1
TP21R	A	E	1
TP22B1	A	A	2
TP22B2	A	A	1
TP22B3	A	A	2
TP22B4	A	A	1
TP22B5	A	A	2
TP22B6	A	A	1
TP22G1	A	C	2
TP22G2	A	C	2
TP22G3	A	C	2
TP22G4	A	C	2
TP22G5	A	C	2
TP22G6	A	C	2
TP22R1	A	B	2
TP22R2	A	B	2
TP22R3	A	B	2
TP22R4	A	B	2
TP22R5	A	B	2
TP22R6	A	B	2
TP52B	A	F	3
TP52G	A	E	3
TP52R	A	F	3
TP61	A	B	3
TP62	A	C	3
TP63	A	B	3
TP7302	A	G	2
VR203	D	G	1
VR204	D	G	2
VR205	D	G	2
VR207	D	F	2
VR208	D	F	1
VR209	D	F	1
VR241	D	F	3
VR242	A	E	3
VR243	A	E	3
VR6201	A	C	3
VR6202	A	C	3
VR6203	A	C	2
VR6204	A	C	2
VR6205	A	C	2
VR6206	A	B	3
VR6207	A	B	3
VR6208	A	B	2
VR6209	A	B	2
VR6210	A	B	2
VR6211	A	A	3
VR6212	A	A	3
VR6213	A	A	2
VR6214	A	A	2
VR6215	A	A	2
VR6216	A	B	3
VR6217	A	B	3
VR6219	A	C	3
VR6220	A	C	3
VR6221	A	C	2
VR6222	A	C	2
VR6223	A	C	2
VR6224	A	B	3
VR6225	A	B	3
VR6226	A	B	2
VR6227	A	B	2
VR6228	A	B	2
VR6229	A	A	3
VR6230	A	A	3
VR6231	A	A	2
VR6232	A	A	2
VR6233	A	A	2
VR6234	A	B	2
VR6235	A	A	2
VR6401	D	G	1
X7221	D	D	3
X7301	D	G	2

TM & SUB POWER BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
F2000	D	B	5
IC401	A	D	1
IC402	A	C	1
IC406	A	C	2
IC407	A	B	3
IC408	A	B	3
IC409	A	B	3
IC501	A	C	3
IC502	A	C	3
IC6401	A	D	4
IC6402	A	C	3
IC6403	B	D	3
IC6406	B	D	3
IC6407	A	D	3
K41A	A	B	2
K41B	A	A	2
K4A	D	E	4
K4B	D	D	2
K4C	D	E	3
K4D	D	D	5
K4E	D	E	4
K4F	D	D	2
K4G	D	E	2
K4H	D	D	1
K4I	D	C	1
K4J	D	F	5
K4L	D	D	2
K4M	D	D	2
K5B	A	A	3
K5G	A	A	4
K5R	A	C	5
Q401	A	D	2
Q402	A	C	2
Q403	A	C	1
Q404	A	D	1
Q406	A	C	1
Q407	A	D	1
Q408	A	D	1
Q409	A	D	1
Q411	A	C	1
Q412	A	D	1
Q501	A	E	1
Q502	A	D	1
Q503	B	D	1
SW201	D	C	1
AW2001	D	A	5
TE16	A	B	1
TE23	A	C	5
TP13	A	C	5
TP14	A	B	3
TP16	A	C	1
TP17	A	C	4
TP18	A	B	3
TP19	A	C	5
TP21	A	D	3
TP22	A	D	2
TP24	A	C	5
TP25	A	C	5
TP26	A	C	5
TP27	A	C	5
TP28	A	C	5
TP29	A	B	5
TP30	A	C	4
VA2202	D	B	4
VR2201	D	B	5
VR2202	D	A	5
VR501	D	C	3
VR506	D	D	2
VR6401	D	E	4
VR6402	D	E	4
VR6403	D	E	4
VR6404	D	E	4
VR6405	D	E	4
VR6406	D	E	4

SCAN CHANGE BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
IC2001	A	E	5
IC2003	A	E	5
IC2004	A	E	5
IC2006	A	D	4
IC2101	A	F	6
IC2102	D	F	4
IC2201	A	D	6
IC2202	A	D	6
IC2203	A	D	6
IC2204	A	E	6
IC2206	A	F	6
K22A	D	F	4
K22E	D	D	4
K22G	D	D	4
K22H	D	E	4
K22M	D	E	4
K22W	D	E	4
Q2001	B	E	5
Q2002	A	E	4
Q2003	A	E	4
Q2101	A	F	5
Q2102	A	F	4
Q2103	A	F	4
Q2104	B	F	4
Q2106	A	F	5
Q2107	A	F	4
Q2108	A	F	4
Q2109	B	F	4
Q2111	A	F	5
Q2112	A	F	4
Q2113	A	F	4
Q2114	B	F	4
Q2201	A	D	4
Q2202	A	D	4
Q2203	A	D	5
Q2204	B	D	5
Q2206	A	D	4
Q2207	A	D	4
Q2208	A	D	5
Q2209	B	D	5
Q2211	A	D	4
Q2212	A	D	4
Q2213	A	D	5
Q2214	B	D	5
T2001	D	E	5
TE20	A	E	5
TE21	A	E	5
TP20F	A	F	4
TP20G	A	D	5

POWER BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
IC602	D	G	5
K6A	D	G	2
K6B	D	E	4
K6C	D	E	3
K6D	D	F	6
K6E	D	G	6
K6F	D	G	6
K6G	D	E	5
K6I	D	E	3
K6J	D	F	6
K6L	D	E	4
K6M	D	E	5
K6P	D	D	4
PC601	D	H	4
Q601	D	G	3
Q602	D	G	2
Q603	D	F	3
Q604	D	G	6
Q606	D	E	5
RL601	D	F	4
T601	D	F	4
VA601	D	F	3
VR601	D	G	5

LAMP BALLAST BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
A711	D	F	2
FB701	D	D	5
FB702	D	D	4
FB705	D	G	2
HB751	D	F	3
HB752	D	E	3
K7A	D	F	5
K7B	D	F	4
K7BA	D	F	4
K7D	D	G	5
K7DA	D	G	5
PC701	D	G	4
Q701	D	E	3
Q702	D	E	2
Q703	D	E	2
Q704	D	F	2
Q705	D	F	2
Q706	D	E	2
Q731	D	F	4
RL701	D	G	4
SSS701	D	E	2
SSS702	D	E	2
SW701	D	E	3
SW702	D	E	3
T701	D	E	4
T731	D	F	3

A/V & HIC BOARD

LOCATION	SIDE	X – BLOCK	Y – BLOCK
AU1001	D	C	2
IC1001	A	B	3
IC51	B	D	3
IC53	D	D	2
IC54	A	D	3
IC52	B	D	2
K1001	D	B	3
K1002	D	C	3
K1003	D	B	3
K1004	D	A	3
K1051	D	B	3
K1052	D	C	2
K1053	D	A	2
K1054	D	A	2
K1101	D	C	1
K1102	D	C	1
K1103	D	C	3
K1104	D	A	2
K1201	D	E	2
K7E	D	E	2
K7F	D	E	1
K7G	D	E	3
PC52	B	D	1
PC53	B	D	1
PC54	A	D	1
PC56	A	D	1
Q51	A	D	2
Q52	A	D	2
Q53	A	D	2
Q54	A	D	2
Q56	A	D	2
Q57	A	D	2
Q58	A	D	2
Q60	B	D	3
Q61	A	D	3
Q62	B	D	3
SW1101	D	C	1
VR51	D	D	3

LCD PJ

[Take Notice Of "SCHEMATIC DIAGRAMS"]

LCD PJ

PRODUCT SAFETY NOTICE

THE COMPONENTS DESIGNATED BY A MARK (⚠) IN THIS SCHEMATIC DIAGRAM DESIGNATE COMPONENTS WHOSE VALUES ARE OF SPECIAL SIGNIFICANCE TO PRODUCT SAFETY. SHOULD ANY COMPONENT DESIGNATED BY A MARK NEED TO BE REPLACED, USE ONLY THE PART DESIGNATED IN THE PARTS LIST. DO NOT DEVIATE FROM THE RESISTANCE, WATTAGE AND VOLTAGE RATINGS SHOWN.

SERVICE NOTES;

1. When replacing parts on circuit boards, clamp the lead wires to terminals before soldering.
2. When replacing high wattage resistors on circuit board, keep the resistor body 10 mm (3/8") from circuit board.
3. Keep wires away from high voltage and high temperature components.

NOTES ON SCHEMATIC DIAGRAM

Specification of capacitor and resistors will be shown with coded symbols, reading code symbols following the chart and notes. Some capacitor and resistors will be shown directly with values and no other information. Detailed information on each capacitor and resistor will be shown in the list.

DO NOT REPLACE OR ORDER RESISTOR AND CAPACITOR PARTS FOLLOWING THE SPECIFICATIONS SHOWN IN THE SCHEMATIC DIAGRAMS.

ALWAYS CHECK FOR THE CORRECT SPECIFICATIONS IN THE PARTS LIST. ESPECIALLY FOR CRITICAL COMPONENT MARKED ⚠ . SPECIAL ATTENTION MUST BE GIVEN TO CRITICAL COMPONENTS.

Read resistor codes as follows:

1. All resistance values are indicated in ohms: K=1,000. M=1,000,000.
2. Read wattage, material and tolerance codes following the chart.

Read capacitor codes as follows:

1. For capacitors identified with ⊣⊢, values less than 1 are expressed in μ F , values more than 1 are in pF.
2. For capacitors (electrolytic) identified with ⊣+⊢ , values are expressed in μ F.

Voltage and waveforms were taken using a video color bar signal (1V p-p). Line voltage is 240V.

Voltages were taken with a high-impedance voltmeter.

◄─○ indicates waveform check points. (Waveforms diagrams are measured from the point indicated to the chassis ground.)

CAPACITOR AND RESISTORS CODE

CAPACITOR (Example)

500 C K 1500 B

- B — Characteristic
- 1500 — Value code
- K — Tolerance code
- C — Material code
- 500 — Voltage number

Tolerance code

D	± 0.5pF
T	+ 50% − 10%
J	± 5%
K	± 10%
M	± 20%
N	± 30%
P	+ 100% − 0%
Z	+ 80% − 20%
C	± 0.25pF

Material code

C	Ceramic
E	Electrolytic
F	Polyester
N	Polypropylene
T	Tantalum
K	Ceramic
H	MT - Composite
P	NP: Electroltic
M	MT - polyropylene

RESISTOR (Example)

6 Y K 4.7

- 4.7 — Value code
- K — Tolerance code
- Y — Meterial code
- 6 — Wattage number

Tolerance code

D	± 0.5%
F	± 1%
G	± 2%
J	± 5%
K	± 10%
M	± 20%

Meterial code

F	Carbon film
N	Metalized carbon
S	Oxide metalixed
Y	Wirewound
C	Solid
D	Carbon film
W	Wire Wound

【 Voltage and Waveforms 】

【 1. IC VOLTAGE CHART】

MAIN BOARD

PIN	V	PIN	V	PIN	V	PIN	V	PIN	V	PIN	V
IC001		23	4.8	8	0	IC301		IC6301		15	0
1	0	24	4.8	9	0	1	2.4	1	6.5	16	5.0
2	4.8	25	0	10	4.7	2	2.1	2	8.0	17	5.0
3	4.7	26	0	11	4.8	3	2.1	3	2.5	18	0.2
4	0	27	0	12	3.0	4	4.7	4	4.0	19	0.03
5	4.7	28	4.3	13	0	5	4.1	5	− 2.8	20	0.5
6	0	29	4.7	14	0	6	0.6	6	− 6.1	21	4.6
7	0	30	0.4	15	4.8	7	8.1	7	− 6.1	22	5.0
8	0	31	0.2	16	4.8	8	5.0	8	0.1	23	1.5
9	4.7	32	4.7			9	0	9	4.9	24	2.2
10	0	33	4.3	IC055		10	0.4	10	4.9	25	0.03
11	4.8	34	4.7	1	0	11	3.6	11	4.6	26	0.03
12	4.8	35	0.3	2	4.8	12	3.8	12	4.9	27	0.03
13	0	36	0	3	4.8	13	0	13	0	28	4.9
14	4.8	37	4.8	4	4.8	14	0	14	− 0.8	29	4.9
		38	0.4	5	0	15	6.0	15	0	30	2.1
IC003		39	4.8	6	0	16	6.54	16	5.0	31	2.1
1	2.5	40	0	7	4.8	17	0.1			32	0
2	4.1	41	4.8	8	0	18	3.7	IC6306		33	4.8
3	0	42	0.4	9	0	19	1.2	1	− 4.5	34	0.03
4	4.8	43	4.8	10	0	20	3.1	2	0	35	0.1
5	4.8	44	0	11	0	21	3.7	3	− 9.8	36	0.04
		45	4.8	12	1.2	22	0.02			37	4.8
IC004		46	0	13	1.2	23	3.4	IC6602		38	4.9
1	2.7	47	0	14	0	24	3.6	1	17.9	39	0.8
2	4.0	48	4.1	15	4.8	25	7.5	2	15.7	40	4.9
3	0			16	4.8	26	3.4	3	0	41	0
4	4.7	IC052				27	0	4	17.9	42	0
5	4.8	1	4.4	IC056		28	3.4			43	1.4
		2	0	1	1.52	29	4.6	IC6603		44	1.4
IC005		3	0	2	1.0	30	1.5	1	17.9	45	1.4
1	3.5	4	0	3	1.0	31	2.0	2	0	46	1.4
2	0.4	5	0	4	0	32	4.0	3	11.9	47	2.6
3	1.0	6	0	5	0					48	2.6
4	4.3	7	0	6	0	IC302		IC6604		49	2.6
5	1.2	8	0	7	0	1	0	1	17.9	50	2.6
6	4.6	9	0	8	4.8	2	6.9	2	0	51	0
7	0	10	0			3	8.1	3	11.9	52	0
8	0	11	0			4	3.7			53	0
9	3.5	12	0	IC101		5	8.1	IC6606		54	5.0
10	4.7	13	0	1	5.7	6	1.0	1	− 5.0	55	2.1
11	0	14	0	2	5.7	7	7.1	2	0	56	0
12	0	15	4.3	3	4.9	8	0	3	− 9.4	57	0.04
13	4.7	16	4.8	4	0.7	9	6.9			58	0
14	4.8			5	4.8	10	1.2	IC6607		59	0.04
		IC053		6	0	11	0.9	1	10.5	60	0.04
IC051		1	4.3	7	0	12	0	2	0	61	0.04
1	0	2	0.4	8	0	13	8.1	3	5.0	62	0.04
2	4.8	3	4.7	9	0	14	6.6			63	0.4
3	0	4	0	10	11.7	15	0	IC6608		64	5.0
4	0	5	0	11	5.7	16	8.1	1	13.8		
5	2.4	6	4.7	12	5.7			2	0	IC802	
6	0	7	0	13	4.7	IC303		3	8.1	1	2.1
7	4.7	8	0	14	4.7	1	5.2			2	2.1
8	4.8	9	0	15	5.7	2	0.01	IC801		3	4.7
9	4.8	10	0	16	11.9	3	0	1	2.8	4	4.8
10	4.8	11	0			4	0	2	0.2	5	4.8
11	0	12	0	IC102		5	0.3	3	0.2	6	4.8
12	0	13	0	1	12.6	6	0	4	4.8	7	0.1
13	4.8	14	0	2	5.7	7	3.2	5	0.1	8	0
14	4.8			3	0	8	0	6	5.0	9	4.8
15	4.8	IC054		4	1.7	9	5.2	7	5.0	10	4.8
16	0	1	4.8	5	8.2	10	0	8	5.0	11	0
17	0	2	4.8	6	7.8	11	3.1	9	5.0	12	0.04
18	5.0	3	4.8	7	0	12	3.1	10	0.1	13	0.03
19	4.8	4	4.8	8	8.4	13	0	11	3.0	14	2.1
20	0	5	4.2	9	17.8	14	1.4	12	1.0	15	2.1
21	0	6	0			15	0	13	11.8	16	2.1
22	0	7	2.7			16	1.4	14	0.1	17	2.1

TM BOARD

PIN	V	PIN	V	PIN	V	PIN	V	PIN	V	PIN	V
IC802		IC808		IC401		15	0.1	84	0.2	153	0.03
18	0.02	1	0	1	4.7	16	0	85	0.1	154	0.03
19	0.02	2	0	2	2.3	17	0	86	0.1	155	0
20	0	3	0	3	2.1	18	1.2	87	4.7	156	0
21	0	4	0	4	0	19	4.7	88	0.1	157	0
22	2.3	5	5.0	5	0.2	20	4.7	89	0	158	0
23	2.1	6	5.0	6	4.5	21	0.1	90	0	159	0
24	0	7	0	7	0	22	4.7	91	0.4	160	0
25	2.1	8	5.0	8	2.2	23	4.7	92	2.3		
26	0			9	2.2	24	4.7	93	2.3	IC6402	0
27	5.0			10	2.2	25	4.7	94	2.3	1	0
28	2.1			11	2.2	26	4.7	95	2.3	2	0
29	5.0			12	0	27	4.6	96	2.3	3	0
30	5.0			13	0.2	28	4.8	97	2.3	4	0
31	0			14	5.0	29	0.1	98	4.7	5	0
32	0					30	0	99	0	6	0
33	2.2			IC402		31	0	100	2.3	7	1.8
34	2.5			1	2.0	32	0	101	2.3	8	0
35	2.5			2	1.9	33	0	102	2.3	9	0
36	2.5			3	1.9	34	4.7	103	2.3	10	2.1
37	2.5			4	2.1	35	4.7	104	2.3	11	0
38	2.5			5	2.1	36	4.7	105	2.3	12	0
39	2.5			6	1.9	37	0.5	106	2.3	13	0
40	2.5			7	0	38	0	107	2.3	14	2.1
41	0			8	0	39	1.8	108	2.3	15	1.5
42	5.0			9	5.0	40	0	109	0	16	0
43	5.0			10	0	41	4.7	110	2.3	17	0
44	0.05			11	4.8	42	2.4	111	2.2	18	1.5
45	5.0			12	4.4	43	4.7	112	0.1	19	4.7
46	4.1			13	0	44	0	113	0.1	20	0
47	5.0			14	4.4	45	4.7	114	0.1	21	1.6
48	5.0					46	2.4	115	0.5	22	0
49	0			IC406		47	2.4	116	0.02	23	0
50	5.0			1	0	48	0	117	0	24	1.5
51	5.0			2	2.0	49	0	118	0	25	2.1
52	0			3	0.1	50	0	119	0	26	0
				4	2.0	51	1.2	120	0	27	0
IC804				5	1.6	52	0.1	121	4.4	28	0
1	2.1			6	2.0	53	4.7	122	0.6	29	0
2	2.1			7	1.5	54	4.7	123	1.1	30	0
3	3.8			8	2.0	55	4.7	124	2.3	31	0
4	4.6			9	1.5	56	2.3	125	0	32	2.1
5	0.5			10	0	57	4.7	126	2.3	33	0
6	0.5			11	2.0	58	4.7	127	2.3	34	0
7	0			12	1.6	59	0	128	2.3	35	1.6
8	5.0			13	2.0	60	4.7	129	0	36	0
9	4.1			14	1.6	61	0	130	0	37	0
10	2.2			15	2.0	62	2.3	131	2.3	38	1.3
11	2.2			16	1.6	63	2.3	132	2.3	39	1.3
12	2.2			17	0	64	0	133	2.3	40	1.3
13	2.2			18	1.6	65	2.3	134	2.3	41	4.7
14	5.0			19	0	66	2.3	135	2.3	42	1.0
				20	4.4	67	2.3	136	4.7	43	4.7
IC806						68	2.3	137	2.3	44	4.7
1	5.0			IC6401		69	0	138	4.8	45	0.1
2	5.0			1	0.03	70	2.3	139	4.7	46	0.1
3	0			2	0	71	2.3	140	0	47	0.1
				3	0	72	2.3	141	1.1	48	1.8
IC807				4	0.04	73	2.3	142	2.3	49	0
1	0			5	0	74	2.3	143	2.3	50	0
2	0			6	0	75	2.3	144	2.2	51	0.04
3	0			7	0	76	2.3	145	4.7	52	0.04
4	0			8	0	77	2.3	146	0	53	0.04
5	5.0			9	0	78	2.3	147	2.4	54	0.04
6	4.6			10	0.6	79	2.2	148	0.03	55	0.04
7	0			11	0	80	0	149	0.03	56	4.7
8	5.0			12	0.1	81	0.1	150	0	57	0
				13	0.1	82	0	151	0	58	4.7
				14	0.1	83	0.1	152	0	59	0

PIN	V
60	0.1
61	0.1
62	1.4
63	0
64	0
65	2.2
66	0
67	0
68	1.3
69	0.1
70	0
71	0.1
72	0
73	1.8
74	0
75	0
76	2.0
77	0
78	0
79	0
80	0.5
81	4.70
82	0
83	0
84	1.3
85	0
86	0
87	0
88	0.1
89	0.1
90	0.1
91	0
92	0
93	4.7
94	4.7
95	0
96	1.3
97	1.3
98	0.7
99	0.7
100	0
IC6403	
1	4.7
2	0.1
3	0
4	0
5	0.3
6	0.1
7	0.1
8	0
9	1.0
10	0.1
11	0.1
12	0.1
13	0.1
14	0.1
15	0.5
16	4.7
IC6406	
1	4.7
2	0.4
3	0.4
4	0.4
5	0.4
6	0.4
7	0
8	1.5
9	0.9
10	0
11	0
12	0
13	0
14	4.7
IC6407	
1	0
2	0
3	0
4	0
5	0
6	0.2
7	0
8	0
9	4.7
10	1.0
11	0.6
12	0
13	0
14	0
15	0
16	0
17	0
18	4.7
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0.1
28	0.1
29	0.1
30	0.1
31	0
32	0
33	0
34	0
35	0
36	0
37	0
38	0.3
39	0.1
40	0.02
41	0.2
42	0
43	4.7
44	4.7
45	0
46	0
47	0
48	0
49	0
50	0
51	0
52	0
53	0
54	0
55	0
56	4.7
57	0
58	0.9
59	0.7
60	0.2
61	0.2
62	0
63	0
64	0
65	0.6
66	0.1
67	0.1
68	1.20
69	0
70	0.6
71	4.7
72	0.52
73	2.4
74	2.4
75	4.7
76	4.7
77	0
78	0
79	0
80	4.7
81	3.5
82	1.7
83	1.3
84	1.7
85	0
86	0
87	0
88	0
89	4.7
90	4.7
91	0
92	0
93	0
94	4.7
95	4.7
96	4.7
97	0.1
98	4.7
99	4.7
100	4.7

SIGMAL BOARD

PIN	V	PIN	V	PIN	V	PIN	V	PIN	V	PIN	V
						IC201		25	1.7	12	3.6
						1	-1.6	26	1.7	13	3.6
						2	-2.3	27	1.7	14	3.6
						3	-1.7	28	1.7	15	3.6
						4	0.6	29	1.7	16	0
						5	0	30	1.7	17	6.5
						6	0	31	0	18	3.6
						7	1.6	32	1.6	19	3.6
						8	2.4	33	6.5	20	3.6
						9	4.8	34	0	21	3.6
						10	3.5	35	1.6	22	3.6
						11	2.0	36	1.6	23	3.6
						12	-6.0	37	1.6	24	0
						13	1.9	38	1.6	25	1.7
						14	2.0	39	1.6	26	1.7
						15	0.6	40	1.6	27	1.7
						16	0	41	0	28	1.7
						17	2.4	42	3.5	29	1.7
						18	2.4	43	3.5	30	1.7
						19	2.4	44	3.5	31	0
						20	0	45	3.5	32	6.5
						21	-8.1	46	3.5	33	6.5
						22	2.3	47	3.5	34	0
						23	2.3	48	6.5	35	0
						24	2.3	49	0	36	1.6
						25	1.9	50	3.6	37	1.6
						26	0	51	3.6	38	1.6
						27	0.3	52	3.6	39	0
						28	0.4	53	3.6	40	0
						29	0.2	54	3.6	41	0
						30	-6.0	55	3.6	42	3.6
						31	-6.0	56	6.5	43	3.6
						32	1.8	57	0	44	3.6
						33	4.8	58	3.6	45	3.6
						34	3.5	59	0	46	3.6
						35	4.8	60	3.6	47	6.5
						36	0.4	61	3.6	48	0
						37	0.3	62	3.6	49	3.6
						38	4.8	63	3.6	50	3.6
						39	-1.9	64	6.5	51	3.6
						40	3.2	65	–	52	3.6
						41	-1.6	66	–	53	3.6
						42	-8.1	67	–	54	3.6
								68	–	55	0
						IC251		69	0	56	0
						1	6.5	70	4.1	57	0
						2	3.5	71	6.5	58	3.6
						3	3.5	72	6.5	59	3.6
						4	3.5	73	1.6	60	3.6
						5	3.5	74	1.6	61	3.6
						6	3.5	75	1.6	62	3.6
						7	3.5	76	1.6	63	6.5
						8	0	77	1.6	64	6.5
						9	6.5	78	1.6	65	–
						10	3.5	79	1.6	66	–
						11	3.5	80	6.5	67	–
						12	3.5			68	–
						13	3.5	IC252		69	0
						14	3.5	1	6.5	70	4.1
						15	3.5	2	3.5	71	6.5
						16	0	3	3.5	72	6.5
						17	6.5	4	3.5	73	1.6
						18	3.5	5	3.5	74	1.6
						19	3.5	6	3.5	75	1.6
						20	3.5	7	3.5	76	1.6
						21	3.5	8	0	77	1.6
						22	3.5	9	6.5	78	1.6
						23	3.5	10	3.6	79	1.6
						24	0	11	3.6	80	6.5

AV BOARD

PIN	V	PIN	V	PIN	V	PIN	V	PIN	V	PIN	V
IC351		IC6202		IC6209				IC1001			
1	4.0	1	7.1	1	7.3			1	0		
2	3.7	2	7.1	2	7.3			2	0		
3	9.1	3	7.1	3	7.3			3	0		
4	5.0	4	0	4	0			4	0		
5	0	5	7.1	5	7.3			5	0		
6	4.3	6	7.1	6	7.3			6	0		
7	0.7	7	7.1	7	7.3			7	0		
8	0.2	8	15.7	8	15.7			8	0		
9	2.9							9	0		
10	4.3	IC6203		IC6210				10	0		
11	6.3	1	7.1	1	7.3			11	− 5.0		
12	5.1	2	7.1	2	7.3			12	0		
13	3.7	3	7.1	3	7.3			13	0		
14	3.8	4	0	4	0			14	5.0		
15	0	5	7.1	5	7.3			15	0		
16	3.7	6	7.1	6	7.3			16	0		
17	3.8	7	7.1	7	7.3						
18	5.4	8	15.7	8	15.7						
19	3.7										
20	3.8	IC6204		IC6211							
21	5.0	1	7.1	1	7.3						
22	2.6	2	7.1	2	7.3						
23	3.8	3	7.1	3	7.3						
24	2.6	4	0	4	0						
		5	7.1	5	7.3						
IC352		6	7.1	6	7.3						
1	0	7	7.1	7	7.3						
2	5.1	8	15.7	8	15.7						
3	5.1										
4	5.1	IC6205		IC6212							
5	8.0	1	7.1	1	7.3						
6	2.8	2	7.1	2	7.3						
7	2.8	3	7.1	3	7.3						
8	2.9	4	0	4	0						
9	0	5	7.1	5	4.0						
10	5.1	6	7.1	6	4.0						
11	5.1	7	7.1	7	1.4						
12	5.1	8	15.7	8	15.9						
13	0										
14	0.6	IC6206		IC7221							
15	6.6	1	7.1	1	11.7						
16	4.7	2	7.1	2	0						
17	4.8	3	7.1	3	9.1						
18	4.3	4	0								
19	3.0	5	7.1	IC7222							
20	2.1	6	7.1	1	9.1						
21	4.2	7	7.1	2	6.5						
22	2.1	8	15.7	3	0						
23	4.2			4	1.3						
24	2.1	IC6207									
25	4.2	1	7.1	IC7223							
26	3.0	2	7.1	1	9.7						
27	3.8	3	7.1	2	0						
28	3.7	4	0	3	8.0						
		5	7.1								
IC6201		6	7.1	IC7301							
1	7.1	7	7.1	1	3.0						
2	7.1	8	15.7	2	3.6						
3	7.1			3	3.6						
4	0	IC6208		4	0						
5	7.1	1	7.1	5	3.5						
6	7.1	2	7.1	6	3.5						
7	7.1	3	7.1	7	6.9						
8	15.7	4	0	8	8.0						
		5	4.1								
		6	4.9								
		7	1.4								
		8	15.7								

[TRANSISTORS VOLTAGE CHART]

LOCATION	E	C	B
TM BOARD			
Q401	1.7	15.6	2.3
Q402	1.7	15.1	2.2
Q403	15.7	− 3.3	15.2
Q404	− 3.0	− 9.4	− 3.3
SIGNAL BOARD			
Q201	0	4.8	0
Q202	0	4.8	0
Q203	0	4.8	0
Q313	3.4	0	2.8
Q314	0	0	0.6
Q316	0.6	0	0.2
Q317	0.5	8.0	0.6
Q318	1.3	0	0.7
Q319	1.3	0	0.7
Q321	1.3	0	0.7
Q6301	3.0	6.5	3.6
Q6306	3.0	6.5	3.6
Q6311	3.0	6.5	3.6
Q6316	3.0	6.5	3.6
Q6321	3.0	6.5	3.6
Q6326	3.0	6.5	3.6
Q6331	3.0	6.5	3.6
Q6336	3.0	6.5	3.6
Q6341	3.0	6.5	3.6
Q6346	3.0	6.5	3.6
Q6351	3.0	6.5	3.6
Q6356	3.0	6.5	3.6
Q6361	3.0	6.5	3.6
Q6366	3.0	6.5	3.6
Q6371	3.0	6.5	3.6
Q6376	3.0	6.5	3.6
Q6381	3.0	6.5	3.6
Q6386	3.0	6.5	3.6
Q7302	3.8	8.0	4.4
Q7303	3.5	8.0	4.4
Q7304	0	0	− 0.2
Q7306	0	2.2	0

LOCATION	E	C	B
MAIN BOARD			
Q001	1.7	4.8	2.4
Q003	4.4	0	3.8
Q004	4.8	0	4.2
Q011	1.7	4.2	2.3
Q012	3.5	4.8	4.0
Q013	1.0	0	0.5
Q014	3.5	4.8	4.0
Q015	0.1	4.8	0.1
Q016	0	4.8	2.6
Q017	0.3	4.8	0.4
Q018	0	4.8	− 3.0
Q021	1.0	2.5	1.5
Q022	1.0	4.8	1.5
Q023	1.0	0	1.5
Q024	0	0	0.6
Q101	5.5	12.6	6.1
Q102	5.5	12.6	6.1
Q103	1.2	6.8	1.8
Q106	0	12.6	0
Q107	4.4	12.6	5.0
Q108	4.4	12.6	5.0
Q109	0	0	0.1
Q111	0	0	0.1
Q112	0	1.7	0
Q301	2.5	7.1	3.1
Q302	7.8	5.1	7.1
Q303	4.4	8.0	5.1
Q309	1.8	7.2	2.4
Q310	7.9	3.6	7.2
Q311	3.8	0	3.1
Q312	3.8	0	3.1
Q6301	4.8	11.8	5.6
Q6311	4.8	11.8	5.6
Q6321	4.8	11.8	5.6
Q6603	0	4.9	− 1.8
Q6604	0	5.0	− 4.0
Q6851	3.1	0	8.2
Q6852	0	10.6	0
Q6853	0	3.7	0
Q6854	0	4.6	0
Q801	3.8	5.0	4.5
Q806	0.8	0.8	14.8
Q807	0	0.1	0.8

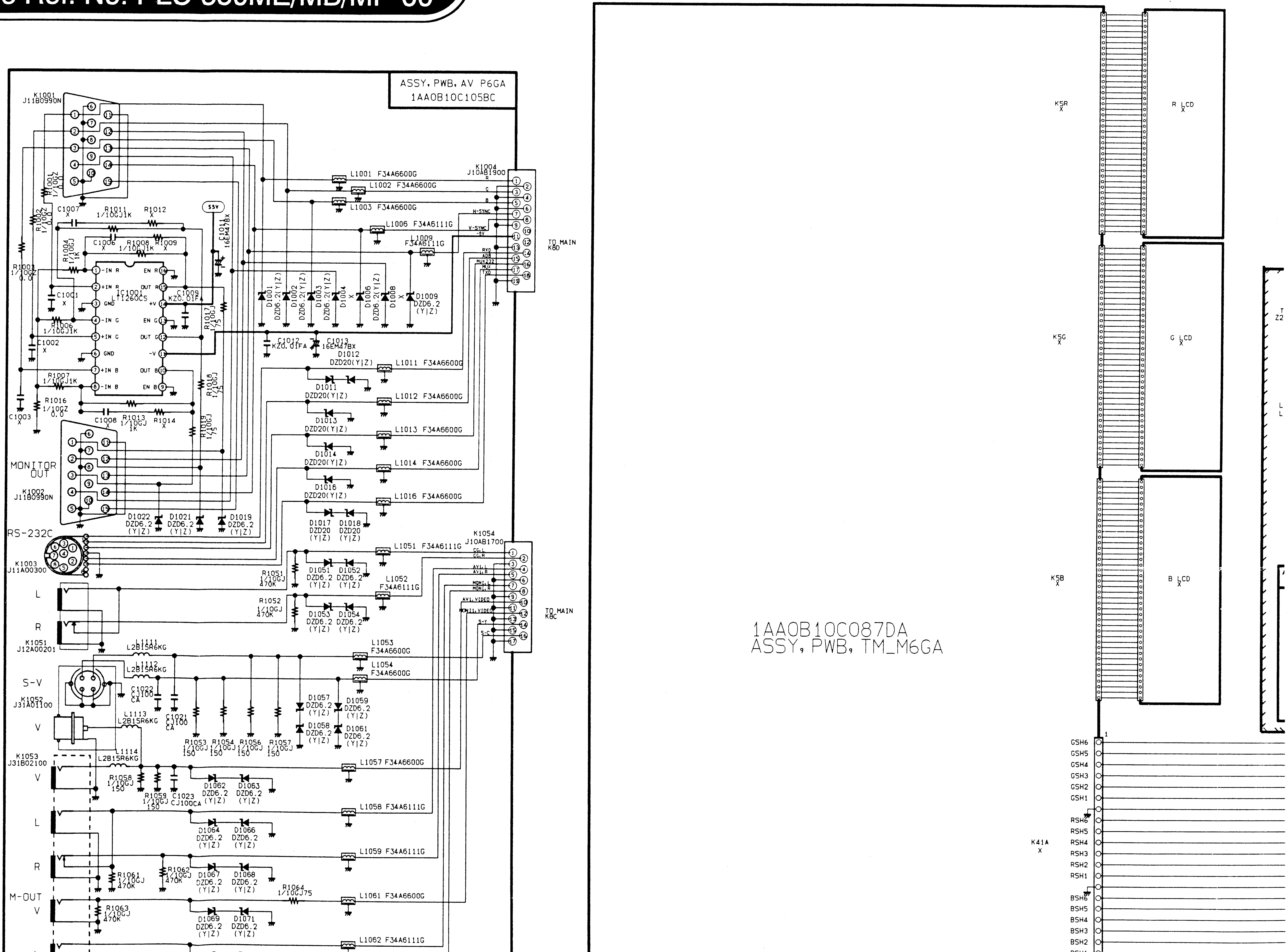
LOCATION	E	C	B
POWER BOARD			
Q601	12.3	− 2.6	12.5
Q602	0	− 1.5	− 2.6
Q603	0	201.3	− 1.5
Q604	0	5.1	0.3
Q606	11.75	14.5	12.4
LAMP BALLAST BOARD			
Q701	78.1	309.6	13.4
Q702	16.6	91.3	16.1
Q703	0.6	16.7	1.8
Q704	16.6	91.4	15.9
Q705	0.6	16.8	1.8
Q706	0.6	1.2	0.6
Q731	1.4	318.4	− 0.1

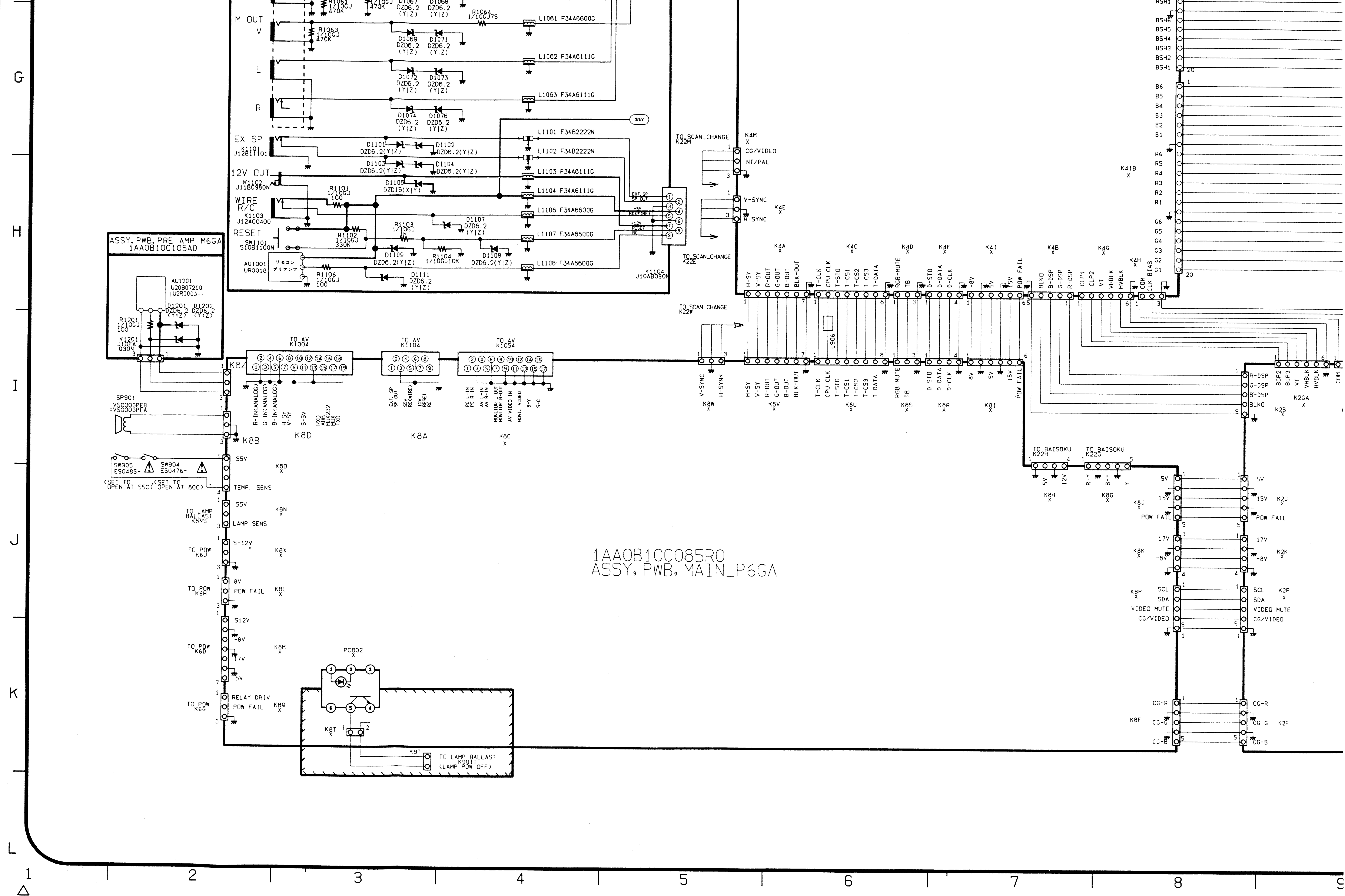
MODEL PLC-550ME/MB/MP
Service Ref. No. PLC-550ME/MB/MP-00

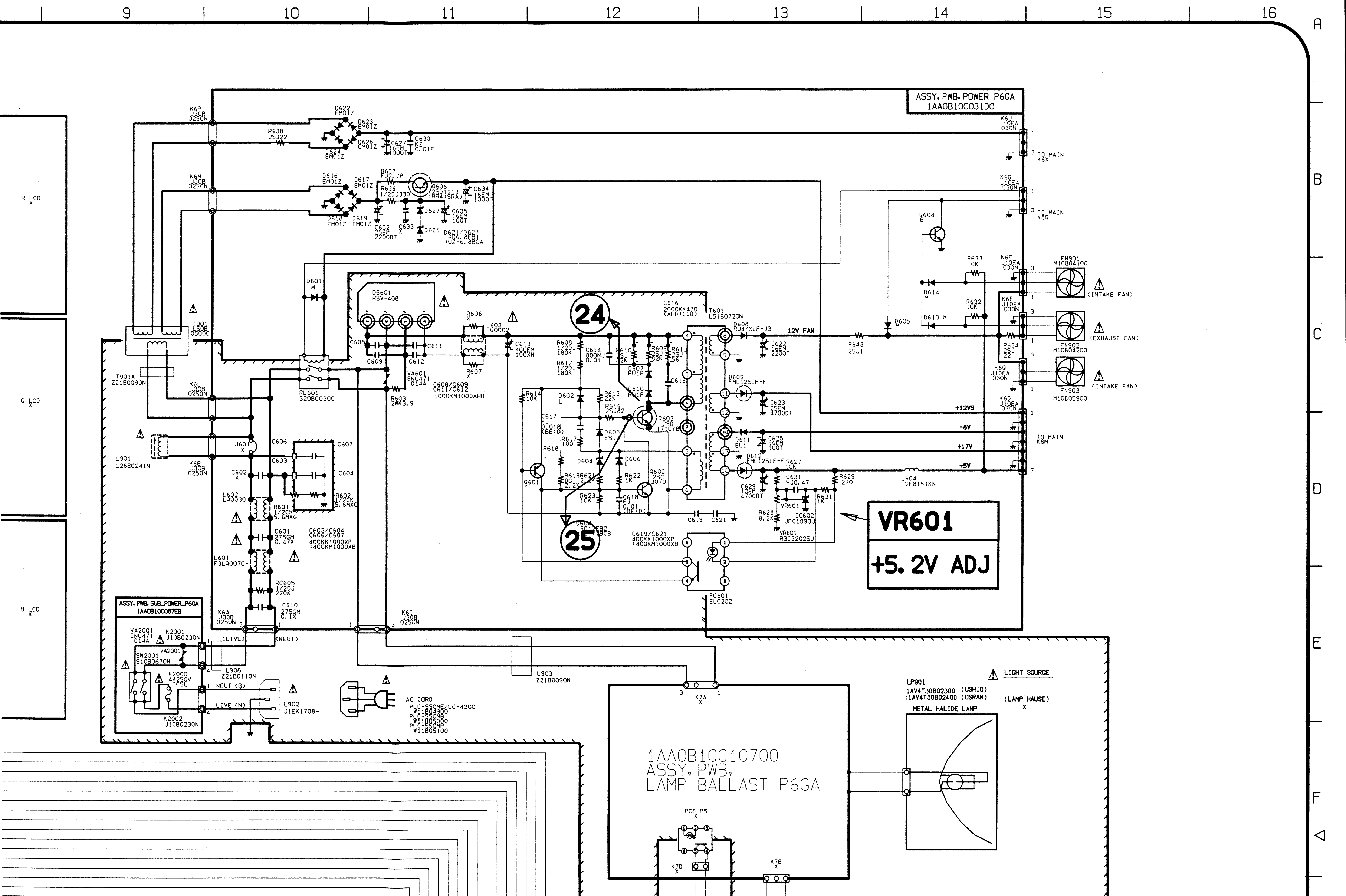
SCHEMATIC DIAGRAMS

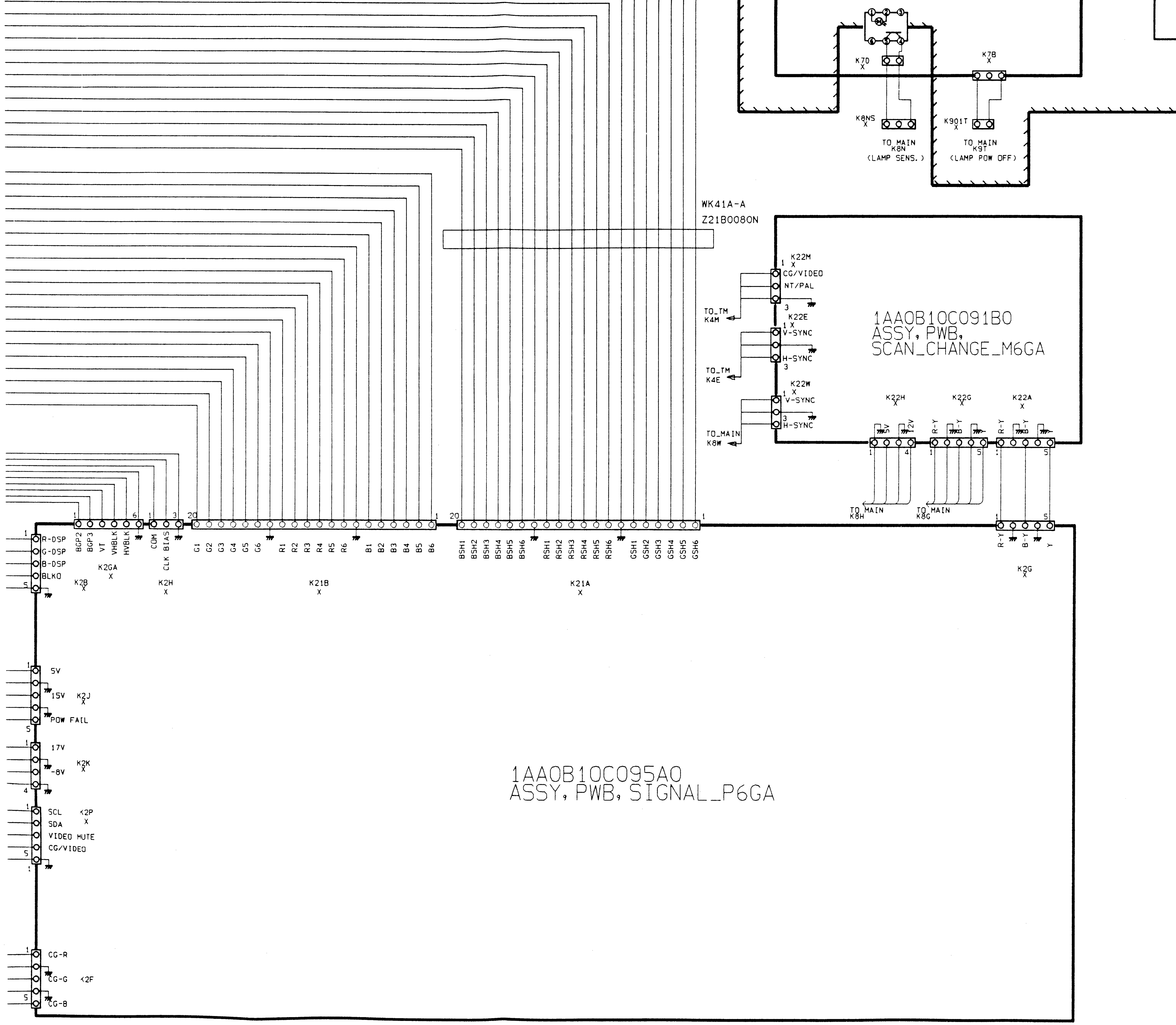
IC1001

BUFFER


ASSY, PWB, AV P6GA
1AA0B10C105BC
K1001
J11B0990N
K1004
J10AB1900
TO MAIN
K80
L1001 F34A6600G
L1002 F34A6600G
L1003 F34A6600G
L1006 F34A6111G
L1009
F34A6111G
H-SYNC
V-SYNC
RXD
TXD
IC1001
LT1260CS
55V
C1011
16EM47BX
C1009
KZ0.01FA
C1012
KZ0.01FA
C1013
16EM47BX
D1012
DZD20(Y|Z)
L1011 F34A6600G
L1012 F34A6600G
L1013 F34A6600G
L1014 F34A6600G
L1016 F34A6600G
MONITOR
OUT
K1002
J11B0990N
D1022
D1021
D1019
DZD6.2
(Y|Z)
RS-232C
K1003
J11A00300
K1054
J10AB1700
L1051 F34A6111G
L1052
F34A6111G
R1051
1/10GJ
470K
R1052
1/10GJ
470K
TO MAIN
K8C
L
R
K1051
J12A00201
L1111
L2B15R6KG
L1112
L2B15R6KG
L1053
F34A6600G
L1054
F34A6600G
S-V
K1052
J31A01100
V
C1022
CJ100CA
L1113
L2B15R6KG
C1021
CJ100CA
D1057
D1058
D1059
D1061
R1053
R1054
R1056
R1057
150
L1114
L2B15R6KG
K1053
J31B02100
R1058
1/10GJ
150
R1059
1/10GJ
150
C1023
CJ100CA
D1062
D1063
L1057 F34A6600G
D1064
D1066
L1058 F34A6111G
R1061
1/10GJ
470K
R1062
1/10GJ
470K
D1067
D1068
L1059 F34A6111G
M-OUT
R1063
1/10GJ
470K
R1064
1/10GJ75
L1061 F34A6600G
D1069
D1071
L1062 F34A6111G
1AA0B10C087DA
ASSY, PWB, TM_M6GA
K5R
R LCD
K5G
G LCD
K5B
B LCD
K41A
GSH6
GSH5
GSH4
GSH3
GSH2
GSH1
RSH6
RSH5
RSH4
RSH3
RSH2
RSH1
BSH6
BSH5
BSH4
BSH3
BSH2


1AA0B10C085R0
ASSY, PWB, MAIN_P6GA
ASSY, PWB, PRE AMP M6GA
1AA0B10C105AD
AU1201
U20B07200
U2R0003--
D1201 DZD6.2 (Y:Z)
D1202 DZD6.2 (Y:Z)
R1201 1/10GJ 100
K1201 J10EA 030N
M-OUT
V
L
R
EX SP
K1101 J12B11101
12V OUT
K1102 J11B0980N
WIRE R/C
K1103 J12A00400
RESET
SW1101 S10B1100N
AU1001 UR0018
R1061 1/10GJ 470K
R1063 1/10GJ 470K
R1064 1/10GJ75
D1067 DZD6.2 (Y|Z)
D1068 DZD6.2 (Y|Z)
D1069 DZD6.2 (Y|Z)
D1071 DZD6.2 (Y|Z)
D1072 DZD6.2 (Y|Z)
D1073 DZD6.2 (Y|Z)
D1074 DZD6.2 (Y|Z)
D1076 DZD6.2 (Y|Z)
D1101 DZD6.2(Y|Z)
D1102 DZD6.2(Y|Z)
D1103 DZD6.2(Y|Z)
D1104 DZD6.2(Y|Z)
D1106 DZD15(X|Y)
D1107 DZD6.2 (Y|Z)
D1108 DZD6.2(Y|Z)
D1109 DZD6.2(Y|Z)
D1111 DZD6.2 (Y|Z)
R1101 1/10GJ 100
R1102 1/10GJ 330K
R1103 1/10GJ 1K
R1104 1/10GJ10K
R1106 1/10GJ 100
L1061 F34A6600G
L1062 F34A6111G
L1063 F34A6111G
L1101 F34B2222N
L1102 F34B2222N
L1103 F34A6111G
L1104 F34A6111G
L1106 F34A6600G
L1107 F34A6600G
L1108 F34A6600G
S5V
K1104 J10AB090N
EXT.SP SP OUT
+5V RC(WIRE)
+12V RESET RC
TO SCAN_CHANGE K22H
K4M
CG/VIDEO
NT/PAL
V-SYNC
H-SYNC
K4E
TO SCAN_CHANGE K22E
TO SCAN_CHANGE K22W
K4A K4C K4D K4F K4I K4B K4G K4H
H-SY V-SY R-OUT G-OUT B-OUT BLK-OUT
T-CLK CPU CLK T-STO T-CS1 T-CS2 T-CS3 T-DATA
RGB-MUTE TB
D-STO D-DATA D-CLK
-8V 5V 15V POW FAIL
BLKO B-DSP G-DSP R-DSP
CLP1 CLP2 VT VHBLK HVBLK
COM CLK BIAS
L906
K8W K8V K8U K8S K8R K8I
BSH1 BSH6 BSH5 BSH4 BSH3 BSH2 BSH1
B6 B5 B4 B3 B2 B1
R6 R5 R4 R3 R2 R1
G6 G5 G4 G3 G2 G1
K41B
TO AV K1004
TO AV K1104
TO AV K1054
K8Z
K8D
K8A
K8C
R-IN(ANALOG) G-IN(ANALOG) B-IN(ANALOG) H-SY V-SY S-5V RXD AXD RS232 MUX TXD
EXT. SP SP OUT S5V RC(WIRE) 12V RESET RC
PC L-IN PC R-IN AV L-IN AV R-IN MONITOR L-OUT MONITOR R-OUT AV VIDEO IN MONI. VIDEO S-Y S-C
SP901 VS0003PEB VS0003PEA
K8B
SW905 ES0485-
SW904 ES0476-
(SET TO OPEN AT 55C)
(SET TO OPEN AT 80C)
S5V
TEMP. SENS
K8O
TO LAMP BALLAST K8NS
LAMP SENS
K8N
TO POW K6J
S-12V
K8X
TO POW K6H
8V
POW FAIL
K8L
TO POW K6D
S12V
-8V
17V
5V
K8M
TO POW K6G
RELAY DRIV
K8Q
PC802
K8T
K9T
TO LAMP BALLAST K901T (LAMP POW OFF)
TO BAISOKU K22H
TO BAISOKU K22G
5V 12V
R-Y B-Y Y
K8H
K8G
R-DSP G-DSP B-DSP BLKO
K2B
BGP2 BGP3 VT VHBLK HVBLK COM
K2GA
5V 15V POW FAIL
K8J K2J
17V -8V
K8K K2K
SCL SDA VIDEO MUTE CG/VIDEO
K8P K2P
CG-R CG-G CG-B
K8F K2F
G H I J K L
1 2 3 4 5 6 7 8 9

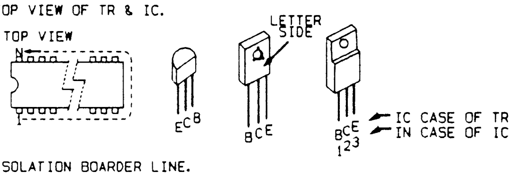

9
10
11
12
13
14
15
16
A
B
C
D
E
F
ASSY, PWB, POWER P6GA
1AA0B10C031D0
R LCD
X
G LCD
X
B LCD
X
K6P
J30B
0250N
K6M
J30B
0250N
K6L
J30B
0250N
K6B
J30B
0250N
K6A
J30B
0250N
K6C
J30B
0250N
R638
2SJ22
D622
EM01Z
D623
EM01Z
D624
EM01Z
D626
EM01Z
C627
16EM
1000T
C630
KZ
0.01F
D616
EM01Z
D617
EM01Z
D618
EM01Z
D619
EM01Z
R637
FJ2.7P
R636
1/2DJ330
Q606
2SD1913
(RRA:SRA)
C634
16EM
1000T
C632
25EM
2200DT
C633
X
D627
C635
16EM
100T
D621
D621/D627
RD6.8EB1
:UZ-6.8BCA
D601
M
DB601
RBV-408
T901
L50B
05000
T901A
Z21B0090N
L901
L26B0241N
J601
X
RL601
S20B00300
C606
C607
C603
C604
C602
X
L602
LQ0030
R601
1/2CK
5.6MXG
R602
1/2CK
5.6MXQ
C601
275GM
0.47X
C603/C604
C606/C607
400KK1000XP
:400KM1000XB
L601
F3LQ0070-
RC605
1/2DJ
220K
C610
275GM
0.1X
C608
C609
C611
C612
VA601
ENC471
D14A
C608/C609
C611/C612
1000KM1000AHD
R603
2WK3.9
R606
X
L603
LQ0002
R607
X
C613
400EM
100XH
24
25
C616
2000KK470
(AHH:CGD)
T601
L51B0720N
R608
1/2DJ
180K
R612
1/2DJ
180K
C614
800NJ
0.01
R610
2SJ
82K
R609
2SJ
82K
R611
2SJ
56
D607
RU1P
D610
RU1P
C616
R614
10K
D602
L
R613
22K
R616
2SJ82
C617
FJ
0.018
(BE:D)
R617
100
D603
ES1
Q603
2SD
1710YB
R618
J
D604
D606
L
Q601
Y
R619
DG
2.2K
R621
2.2K
R622
1K
Q602
2SC
3070
R623
10K
C618
FJ
0.01
(BE:D)
D604
RD12EB2
:UZ-12BCB
C619
C621
C619/C621
400KK1000XP
:400KM1000XB
PC601
EL0202
D608
RU4YXLF-J3
12V FAN
C622
16EM
2200T
D609
FML12SLF-F
C623
25EM
4700DT
D611
EU1
C628
16EM
100T
D612
FML12SLF-F
R627
10K
C629
10EM
4700DT
C631
HJ0.47
R629
270
R631
1K
VR601
R628
8.2K
IC602
UPC1093J
VR601
R3C3202SJ
VR601
+5.2V ADJ
L604
L2E8151KN
R643
2SJ1
D605
M
Q604
B
R633
10K
D614
M
R632
10K
D613 M
R634
2SJ
22
K6J
J10EA
030N
TO MAIN
K8X
K6G
J10EA
030N
TO MAIN
K8Q
K6F
J10EA
030N
K6E
J10EA
030N
K6Q
J10EA
030N
K6D
J10EA
070N
FN901
M10B04100
(INTAKE FAN)
FN902
M10B04200
(EXHAUST FAN)
FN903
M10B05900
(INTAKE FAN)
+12VS
-8V
+17V
+5V
TO MAIN
K8M
ASSY, PWB, SUB_POWER_P6GA
1AA0B10C087EB
VA2001
ENC471
D14A
K2001
J10B0230N
VA2001
SW2001
S10B0670N
F2000
4A250V
TCSL
K2002
J10B0230N
(LIVE)
(NEUT)
L908
Z21B0110N
NEUT (B)
LIVE (N)
L902
J1EK1708-
AC CORD
PLC-550ME/LC-4300
W11B04900
PLC-550MB
W11B05000
PLC-550MP
W11B05100
L903
Z21B0090N
K7A
X
1AA0B10C10700
ASSY, PWB,
LAMP BALLAST P6GA
PC6_PS
X
K7D
X
K7B
X
LIGHT SOURCE
LP901
1AV4T30B02300 (USHIO)
:1AV4T30B02400 (OSRAM)
(LAMP HAUSE)
X
METAL HALIDE LAMP


K7D
K7B
K8NS
K901T
TO MAIN K8N (LAMP SENS.)
TO MAIN K9T (LAMP POW OFF)
WK41A-A
Z21B0080N
1AA0B10C091B0
ASSY, PWB, SCAN_CHANGE_M6GA
K22M
CG/VIDEO
NT/PAL
TO_TM K4M
K22E
V-SYNC
H-SYNC
TO_TM K4E
K22W
V-SYNC
H-SYNC
TO_MAIN K8W
K22H
K22G
K22A
TO MAIN K8H
TO MAIN K8G
R-Y
B-Y
Y
K2G
R-DSP
G-DSP
B-DSP
BLKO
BGP2
BGP3
VT
VHBLK
HVBLK
COM
CLK BIAS
G1
G2
G3
G4
G5
G6
R1
R2
R3
R4
R5
R6
B1
B2
B3
B4
B5
B6
BSH1
BSH2
BSH3
BSH4
BSH5
BSH6
RSH1
RSH2
RSH3
RSH4
RSH5
RSH6
GSH1
GSH2
GSH3
GSH4
GSH5
GSH6
K2B
K2GA
K2H
K21B
K21A
5V
15V
K2J
POW FAIL
17V
-8V
K2K
SCL
SDA
VIDEO MUTE
CG/VIDEO
K2P
CG-R
CG-G
CG-B
K2F
1AA0B10C095A0
ASSY, PWB, SIGNAL_P6GA

NOTES:

1. RESISTORS SPECIFIED WITH RESISTANCE VALUE ARE "1/6DJ".
2. RESISTORS SPECIFIED WIITH TYPE OF RESISTOR, TOLERANCE AND RESISTANCE VALLUE ARE "1/4".
3. ALL CAPACITORS ARE 50WV RATING UNLESS OTHERWISE NOTED.

4. TOP VIEW OF TR & IC.


TOP VIEW
N
1
ECB
LETTER SIDE
BCE
BCE
123
IC CASE OF TR
IN CASE OF IC

5. ISOLATION BOARDER LINE.

COLD SIDE 非充電部 | HOT SIDE 充電部

(DIODE)

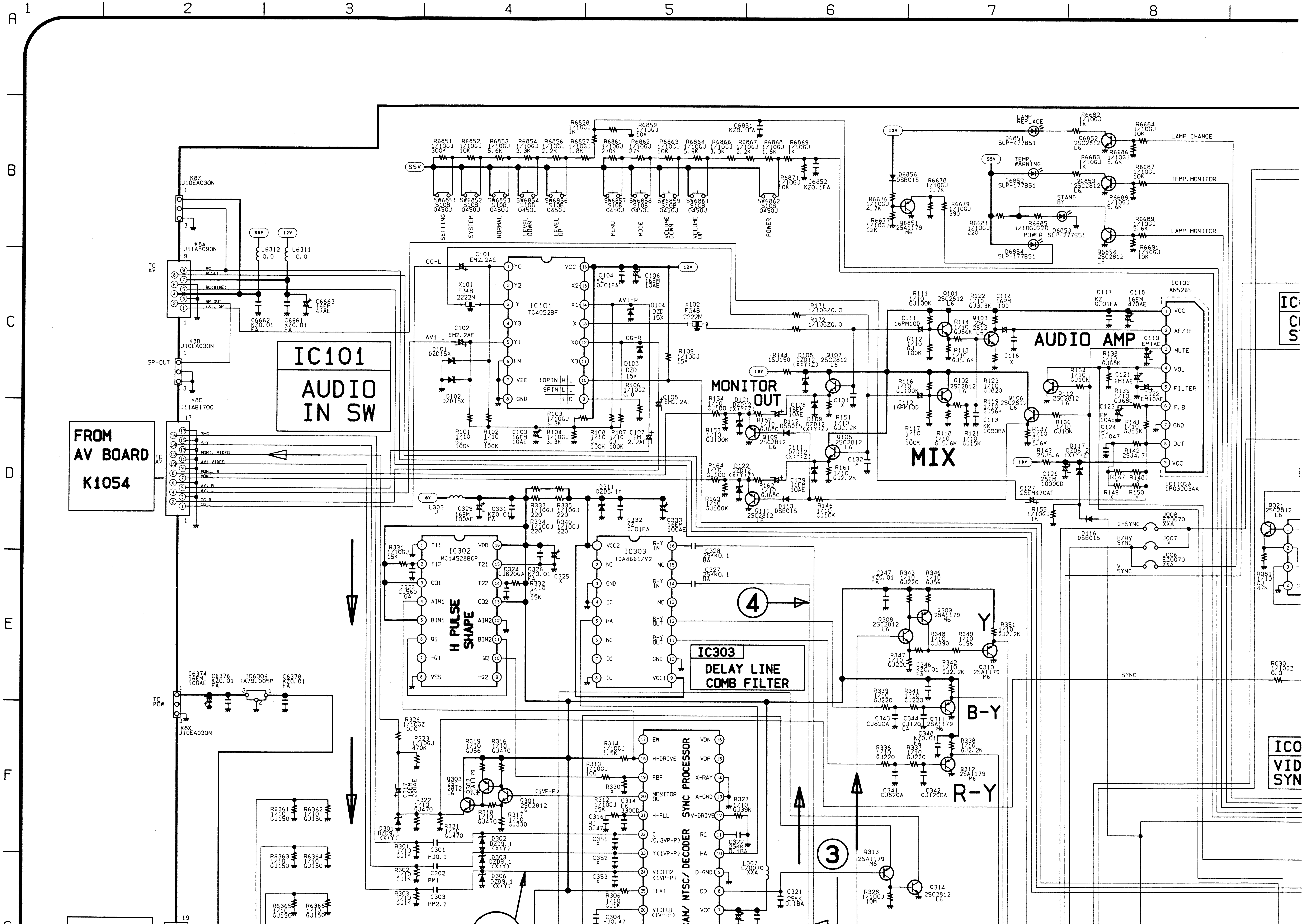
	代表コード	ダイオード名
無表示	7ED00181	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176
K	7E100007	1S1555, 1S2473, 1S2076, DS442
L	7E100028	1S1553, 1S2076A, 1S2471
M	7ED00025	1SS176, GMA01, 1SS133
N	7D000020	1S1555, 1S2473, 1S2076, 1SS133, DS442, 1SS176, 1N4148
P	7D000021	1S1553, 1S2076A, 1S2471, 1N4148

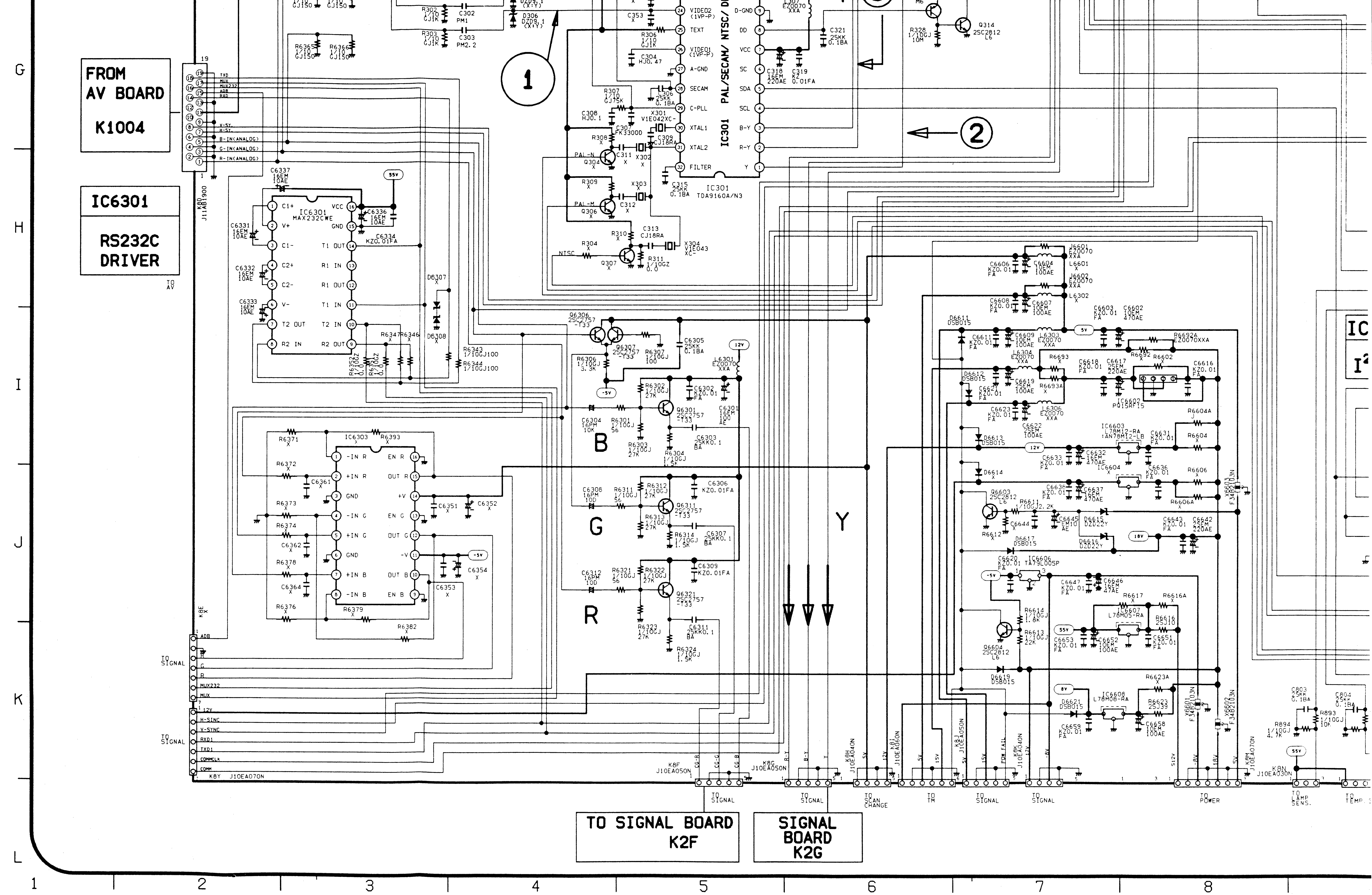
(NPN.TR)

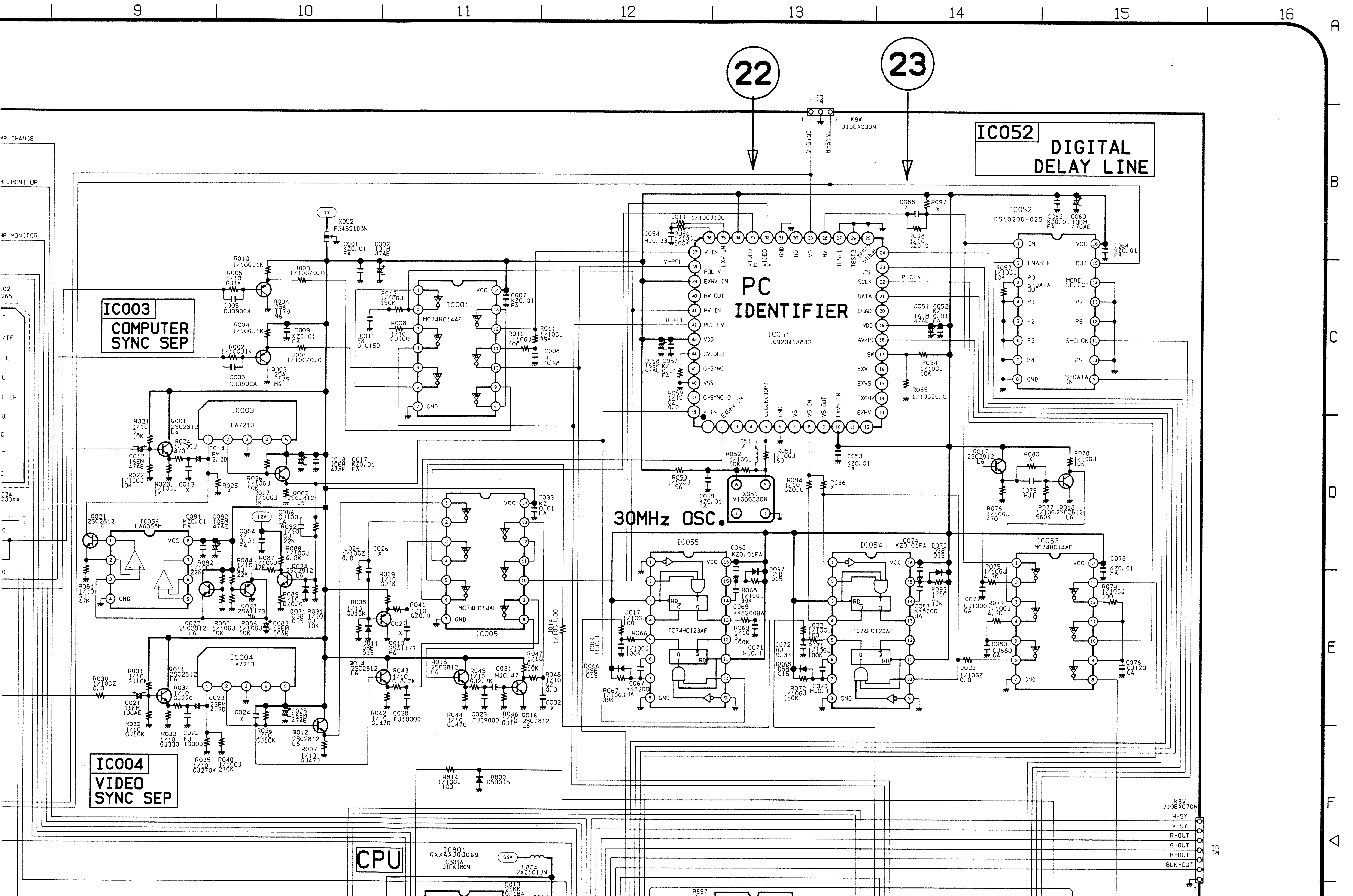
	代表コード	2SC536	2SC945A	2SC1815	2SC1740	2SC1740S	KSC945C
B	7QT00083	E,F,G	P,Q,R	O,Y,G	Q,R,S		
D	7QT00128	F,G	P,Q	Y,G	Q,R,S		
F	7QT00168	F,G	P	G	R,S		
H	7TK00001	F,G	P,Q	Y,G	Q,R,S		Y,G
I	7TK00002	E,F,G	P,Q,R	O,Y,G	Q,R,S		Y,G
G	7TK00005	F,G	P	G	R,S		G

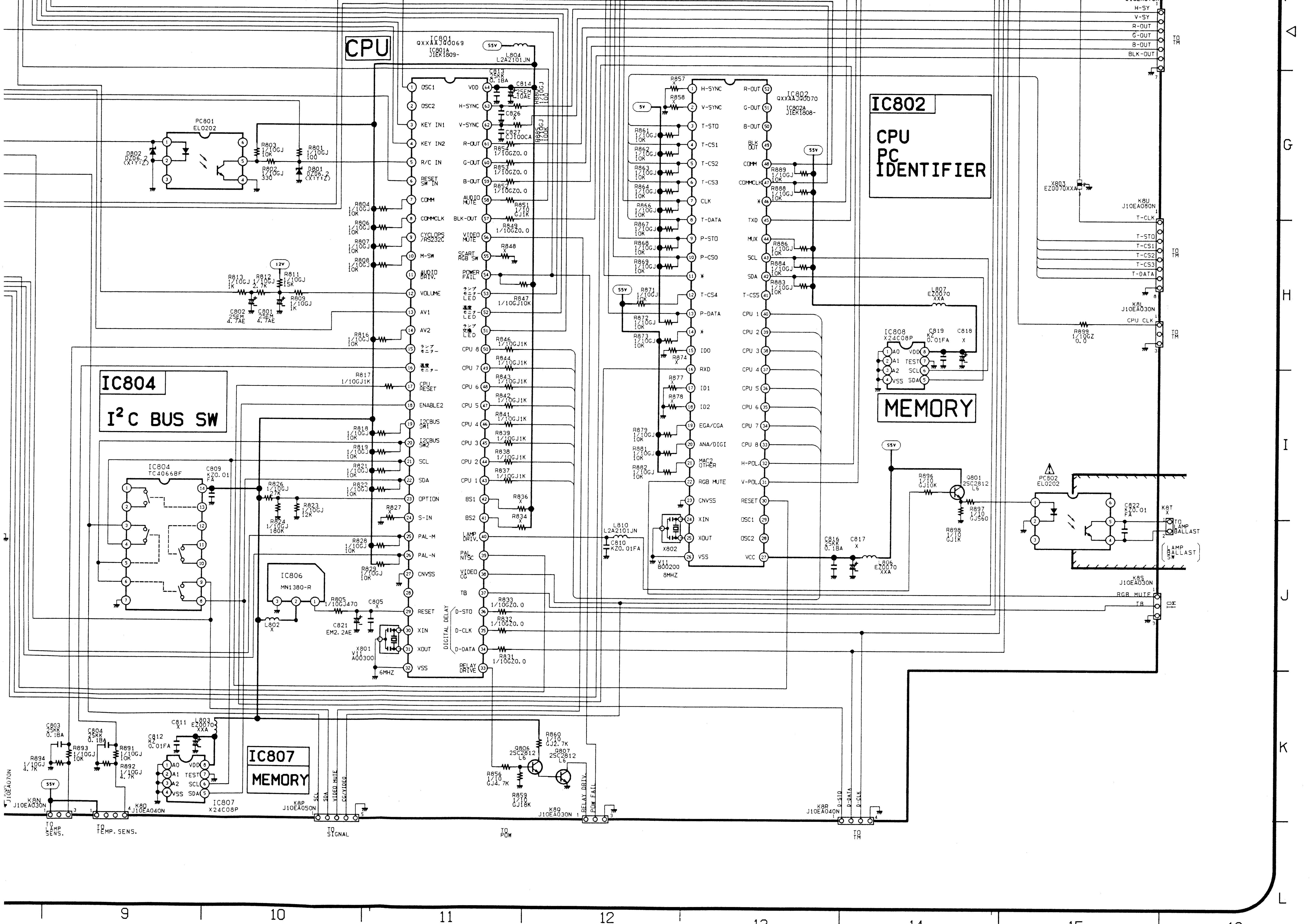
(PNP.TR)

	代表コード	2SA608	2SA564A	2SA1015	2SA933	2SA933S	KSA733C
Y	7QT00419	E,F	Q,R	O,Y,G	Q,R		
W	7QT00421	F	R	Y,G	R		
V	7TK00003	E,F	Q,R	O,Y,G	Q,R		Y,G
U	7TK00004	F	R	Y,G	R		G

1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
FROM
AV BOARD
K1054
IC101
AUDIO
IN SW
IC101
TC4052BF
X101
F34B
2222N
X102
F34B
2222N
MONITOR
OUT
AUDIO AMP
IC102
AN5265
MIX
VCC
AF/IF
MUTE
VOL
FILTER
F.B
GND
OUT
LAMP CHANGE
TEMP. MONITOR
LAMP MONITOR
LAMP
REPLACE
TEMP.
WARNING
STAND
BY
POWER
SETTING
SYSTEM
NORMAL
LEVEL
DOWN
LEVEL
UP
MENU
MODE
VOLUME
DOWN
VOLUME
UP
POWER
S5V
12V
18V
6V
K8Z
J10EA030N
K8A
J11AB090N
K8B
J10EA030N
K8C
J11AB1700
K8X
J10EA030N
TO
AV
SP-OUT
TO
POW
IC6306
TA79L005P
IC302
MC14528BCP
H PULSE
SHAPE
IC303
TDA4661/V2
IC303
DELAY LINE
COMB FILTER
④
③
Y
B-Y
R-Y
SYNC
G-SYNC
H/HV
SYNC
V
SYNC
J008
EZ0070
XXA
J007
X
J006
EZ0070
XXA
SYNC PROCESSOR
PAM/ NTSC/ DECODER
EW
H-DRIVE
FBP
MONITOR
OUT
H-PLL
C
(0. 3VP-P)
Y(1VP-P)
VIDEO2
(1VP-P)
TEXT
VIDEO1
(1VP-P)
VDN
VDP
X-RAY
A-GND
SV-DRIVE
RC
HA
D-GND
DD
VCC
IC
CI
S
IC0
VID
SYN

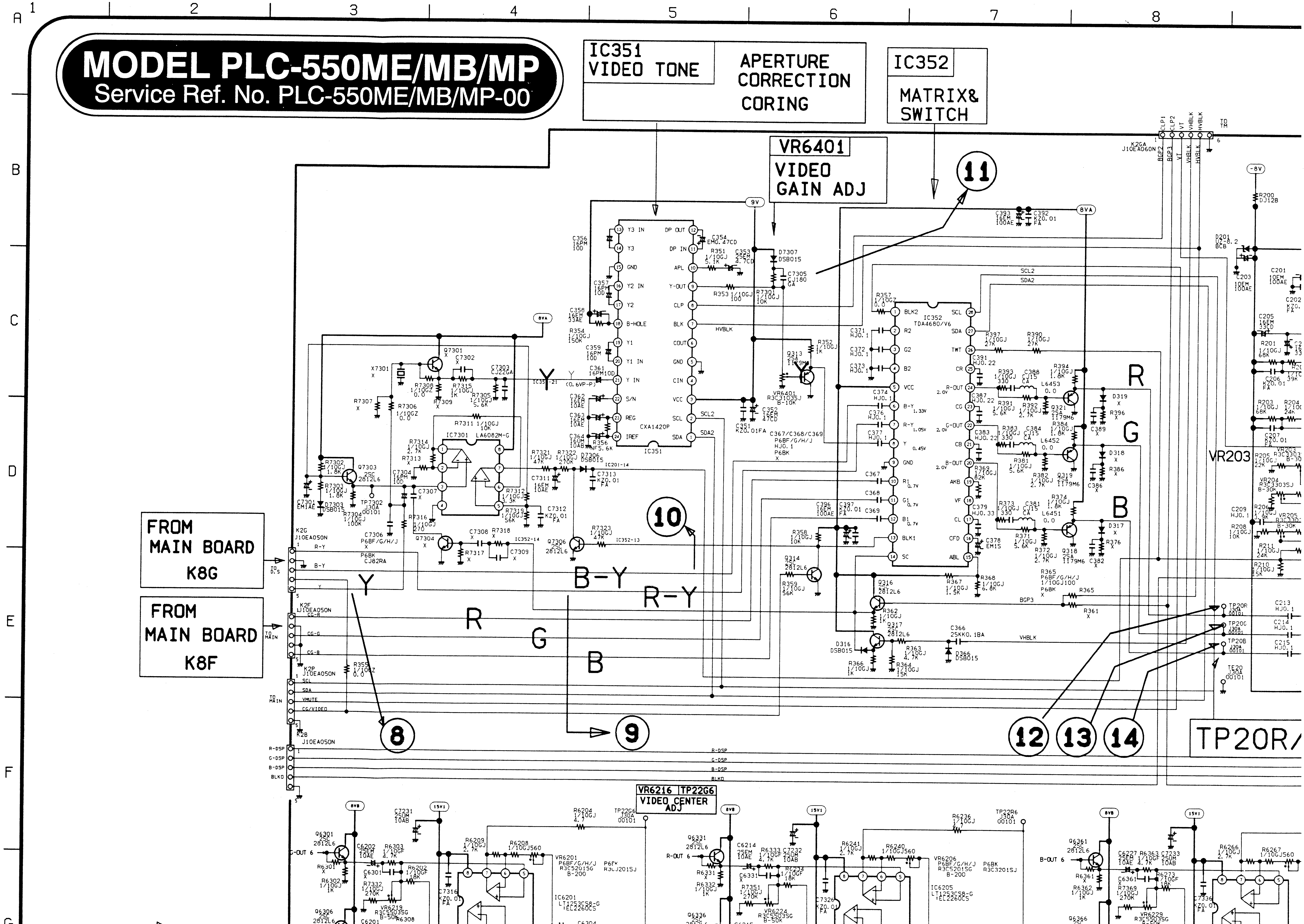

FROM AV BOARD K1004
IC6301 RS232C DRIVER
IC6301 MAX232CWE
C1+
V+
C1-
C2+
C2-
V-
T2 OUT
R2 IN
VCC
GND
T1 OUT
R1 IN
R1 OUT
T1 IN
T2 IN
R2 OUT
K8D J11AB1900
TXD
MUX
MUX232
ADB
RXD
V-SY.
H-SY.
B-IN(ANALOG)
G-IN(ANALOG)
R-IN(ANALOG)
IC301 TDA9160A/N3
PAL/SECAM/ NTSC/ D
VIDEO2 (1VP-P)
TEXT
VIDEO1 (1VP-P)
A-GND
SECAM
C-PLL
XTAL1
XTAL2
FILTER
D-GND
DD
VCC
SC
SDA
SCL
B-Y
R-Y
Y
PAL-N Q304
PAL-M Q306
NTSC Q307
X301 V1E042XC-
X304 V1E043 XC-
Q314 2SC2812 L6
IC6303
-IN R
+IN R
GND
-IN G
+IN G
-IN B
+IN B
EN R
OUT R
+V
EN G
OUT G
-V
OUT B
EN B
Q6306 2SC2757 -T33
Q6307 2SC2757 -T33
Q6301 2SC2757 -T33
Q6311 2SC2757 -T33
Q6321 2SC2757 -T33
B
G
R
Y
12V
-5V
55V
5V
18V
8V
IC6602 PQ15RF15
IC6603 L78M12-RA :AN78M12-LB
IC6604
IC6606 TA79L005P
IC6607 L78M05-RA
IC6608 L78M08-RA
Q6603 2SC2812 L6
Q6604 2SC2812 L6
X6601 F3482103N
X6602 F3482103N
X6603 F3482103N
TO SIGNAL
ADB
G
R
MUX232
MUX
12V
H-SYNC
V-SYNC
RXD1
TXD1
COMMCLK
COMM
K8Y J10EA070N
K8F J10EA050N
K8G J10EA050N
K8H J10EA040N
K8I J10EA060N
K8J J10EA050N
K8K J10EA040N
K8M J10EA070N
K8N J10EA030N
TO SCAN CHANGE
TO TM
TO POWER
TO LAMP SENS.
TO TEMP.
PDW FAIL
TO SIGNAL BOARD K2F
SIGNAL BOARD K2G
1
2
G
H
I
J
K
L
1
2
3
4
5
6
7
8

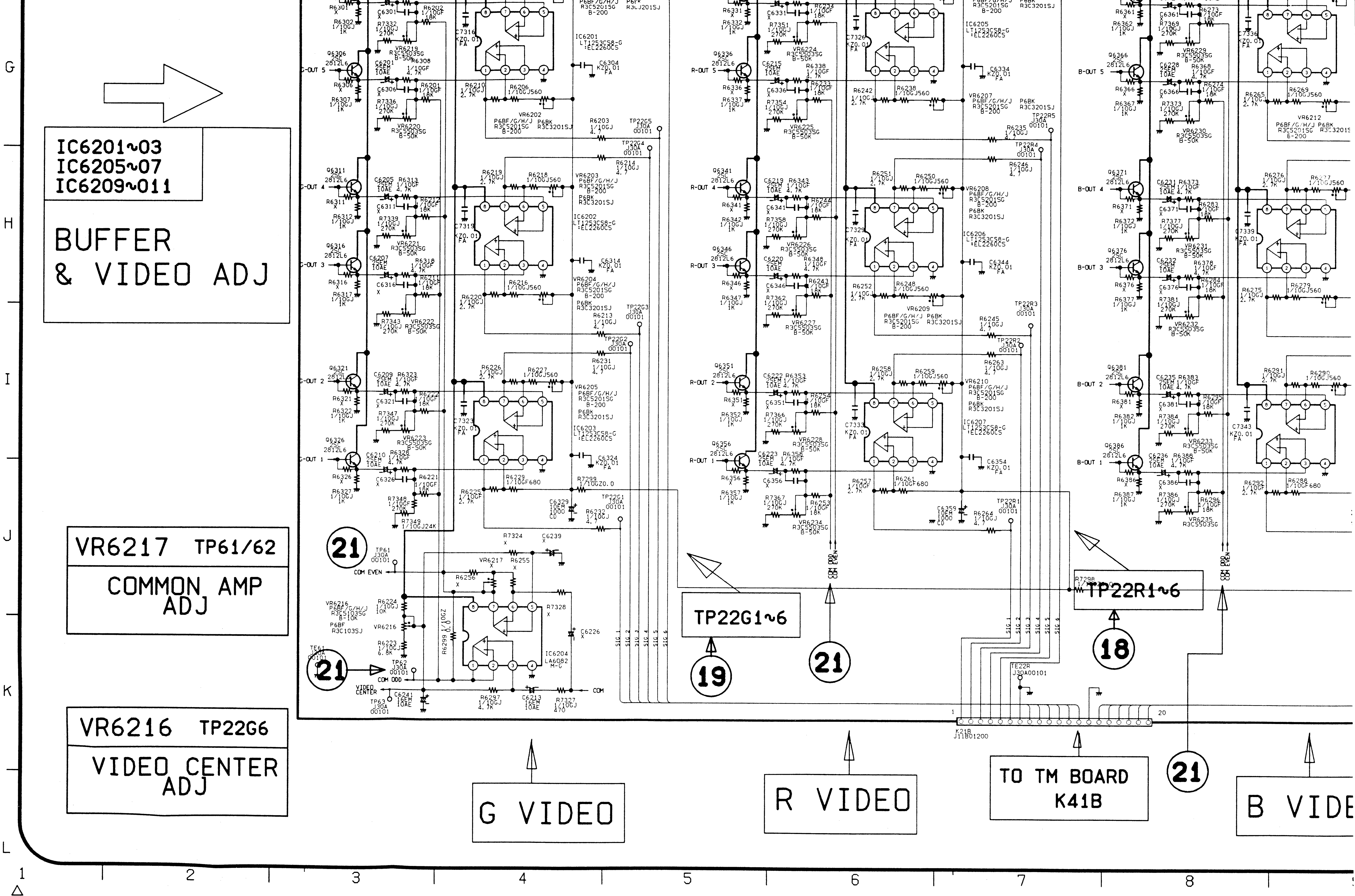

9
10
11
12
13
14
15
16
A
B
C
D
E
F
22
23
IC003
COMPUTER SYNC SEP
IC004
VIDEO SYNC SEP
IC052
DIGITAL DELAY LINE
PC IDENTIFIER
IC051
LC92041A832
IC052
DS10200-025
30MHz OSC.
X051
V10B0330N
X052
F3482103N
IC001
MC74HC14AF
IC003
LA7213
IC004
LA7213
IC005
MC74HC14AF
IC056
LA6358M
IC055
TC74HC123AF
IC054
TC74HC123AF
IC053
MC74HC14AF
CPU
IC801
QXXAAJ40069
IC801A
J1EK1809-
L804
L2A2101JN
K8W
J10EA030N
TO TM
V-SYNC
H-SYNC
K8V
J10EA070N
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
TO TM
V-POL
H-POL
P-CLK
5V
12V
55V
V IN
POL V
EXHV IN
HV OUT
HV IN
POL HV
VDD
GVIDEO
G-SYNC
VSS
G-SYNC O
V IN
EXV IN
VIDEO H
VIDEO V
GND
HD
VD
HV
TEST1
TEST2
TEST STRB
CS
SCLK
DATA
LOAD
VDD
AV/PC
SW
EXV
EXVS
EXGHV
EXHV
EXGHV IN
CLOCK(30M)
VS
VS IN
VS OUT
EXVS IN
IN
ENABLE
PO S-DATA OUT
P1
P2
P3
P4
GND
VCC
OUT
MODE SELECT
P7
P6
S-CLOK
P5
S-DATA IN

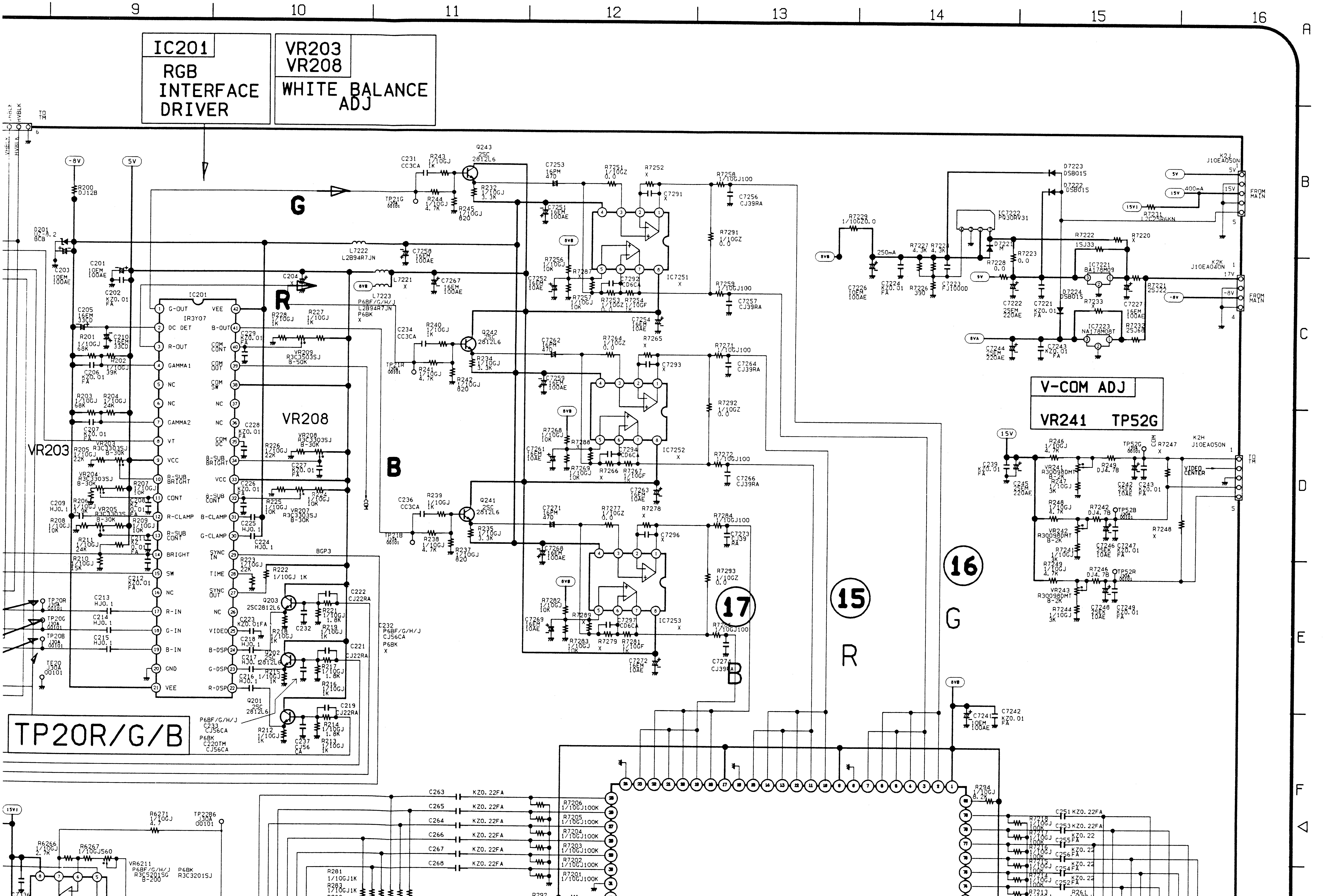

CPU
IC801
QXXAJQ0069
IC801A
J1EK1809-
L804
L2A2101JN
55V
OSC1
OSC2
KEY IN1
KEY IN2
R/C IN
RESET SW IN
COMM
COMMCLK
CYCLOPS /RS232C
M-SW
AUDIO DRIV.
VOLUME
AV1
AV2
CPU RESET
ENABLE2
I2CBUS SW1
I2CBUS SW2
SCL
SDA
OPTION
S-IN
PAL-M
PAL-N
CNVSS
RESET
XIN
XOUT
VSS
VDD
H-SYNC
V-SYNC
R-OUT
G-OUT
B-OUT
AUDIO MUTE
BLK-OUT
VIDEO MUTE
SCART RGB SW
POWER FAIL
CPU 8
CPU 7
CPU 6
CPU 5
CPU 4
CPU 3
CPU 2
CPU 1
BS1
BS2
LAMP DRIV.
PAL NTSC
VIDEO CG
TB
D-STO
D-CLK
D-DATA
RELAY DRIVE
DIGITAL DELAY
X801
V11
A00300
6MHZ
PC801
EL0202
D802
DZD6.2
(X:Y:Z)
D801
DZD6.2
(X:Y:Z)
R803 1/10GJ 10K
R801 1/10GJ 100
R802 1/10GJ 330
12V
R813 1/10GJ 1K
R812 1/10GJ 2.7K
R811 1/10GJ 15K
R809 1/10GJ 1K
C802 25EM 4.7AE
C801 25EM 4.7AE
IC804
I²C BUS SW
IC804
TC4066BF
C809 KZ0.01 FA
R826 1/10GJ 27K
R823 1/10GJ 12K
R824 1/10GJ 180K
IC806
MN1380-R
R805 1/10GJ470
C805 X
C821 EM2.2AE
L802 X
IC802
CPU
PC
IDENTIFIER
IC802
QXXAJQ0070
IC802A
J1EK1808-
5V
T-STO
T-CS1
T-CS2
T-CS3
CLK
T-DATA
P-STO
P-CSO
T-CS4
P-DATA
IDO
RXD
ID1
ID2
EGA/CGA
ANA/DIGI
MAC2 OTHER
RGB MUTE
CNVSS
XIN
XOUT
VSS
TXD
MUX
SCL
SDA
T-CS5
CPU 1
CPU 2
CPU 3
CPU 4
CPU 5
CPU 6
CPU 7
CPU 8
H-POL.
V-POL.
RESET
OSC1
OSC2
VCC
X802
V11
B00200
8MHZ
IC808
X24C08P
MEMORY
L807
EZ0070
XXA
C819 KZ 0.01FA
C818 X
C816 25KK 0.1BA
C817 X
L806 EZ0070 XXA
L810 L2A2101JN
C810 KZ0.01FA
Q801 2SC2812 L6
R896 1/10 GJ10K
R897 1/10 GJ560
R898 1/10 GJ1K
PC802
EL0202
C822 KZ0.01 FA
K8T X
TO LAMP BALLAST
(LAMP BALLAST SW)
H-SY
V-SY
R-OUT
G-OUT
B-OUT
BLK-OUT
TO TM
X803
EZ0070XXA
K8U
J10EA080N
T-CLK
T-STO
T-CS1
T-CS2
T-CS3
T-DATA
K8L
J10EA030N
CPU CLK
R899 1/10GZ 0.0
K8S
J10EA030N
RGB MUTE
TB
TO IF
IC807
MEMORY
IC807
X24C08P
C811 X
L803 EZ0070 XXA
C812 KZ 0.01FA
C803 25KK 0.1BA
C804 25KK 0.1BA
R893 1/10GJ 10K
R891 1/10GJ 10K
R894 1/10GJ 4.7K
R892 1/10GJ 4.7K
K8N
J10EA030N
TO LAMP SENS.
K8O
J10EA040N
TO TEMP. SENS.
K8P
J10EA050N
SCL
SDA
VIDEO MUTE
CG/VIDEO
TO SIGNAL
R860 1/10 GJ2.7K
Q806 2SC2812 L6
Q807 2SC2812 L6
R856 1/10 GJ4.7K
R859 1/10 GJ18K
K8Q
J10EA030N
RELAY DRIV.
POW FAIL
TO POW
K8R
J10EA040N
D-STO
D-DATA
D-CLK
TO TM
G
H
I
J
K
L
9
10
11
12
13
14
15

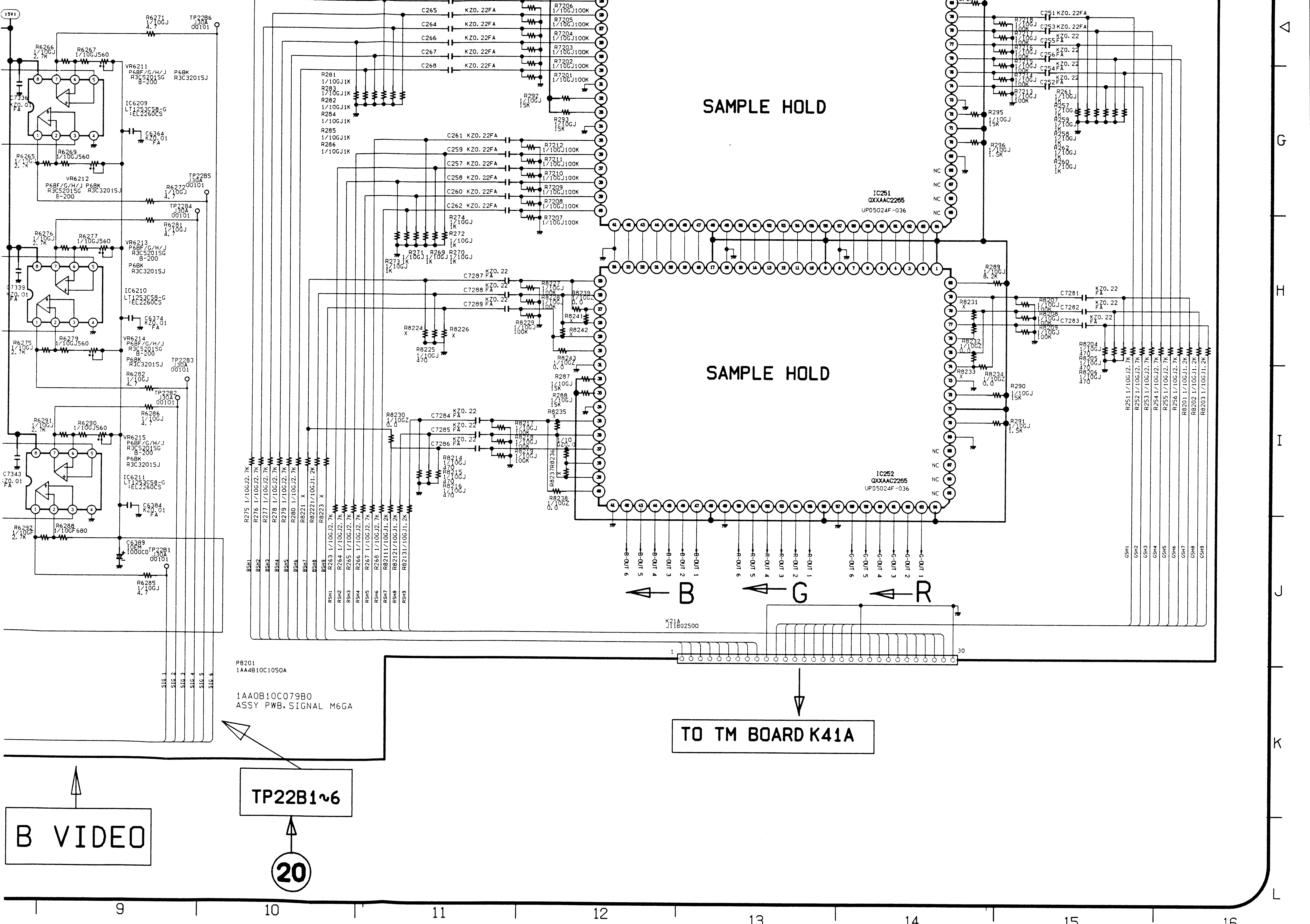
MODEL PLC-550ME/MB/MP

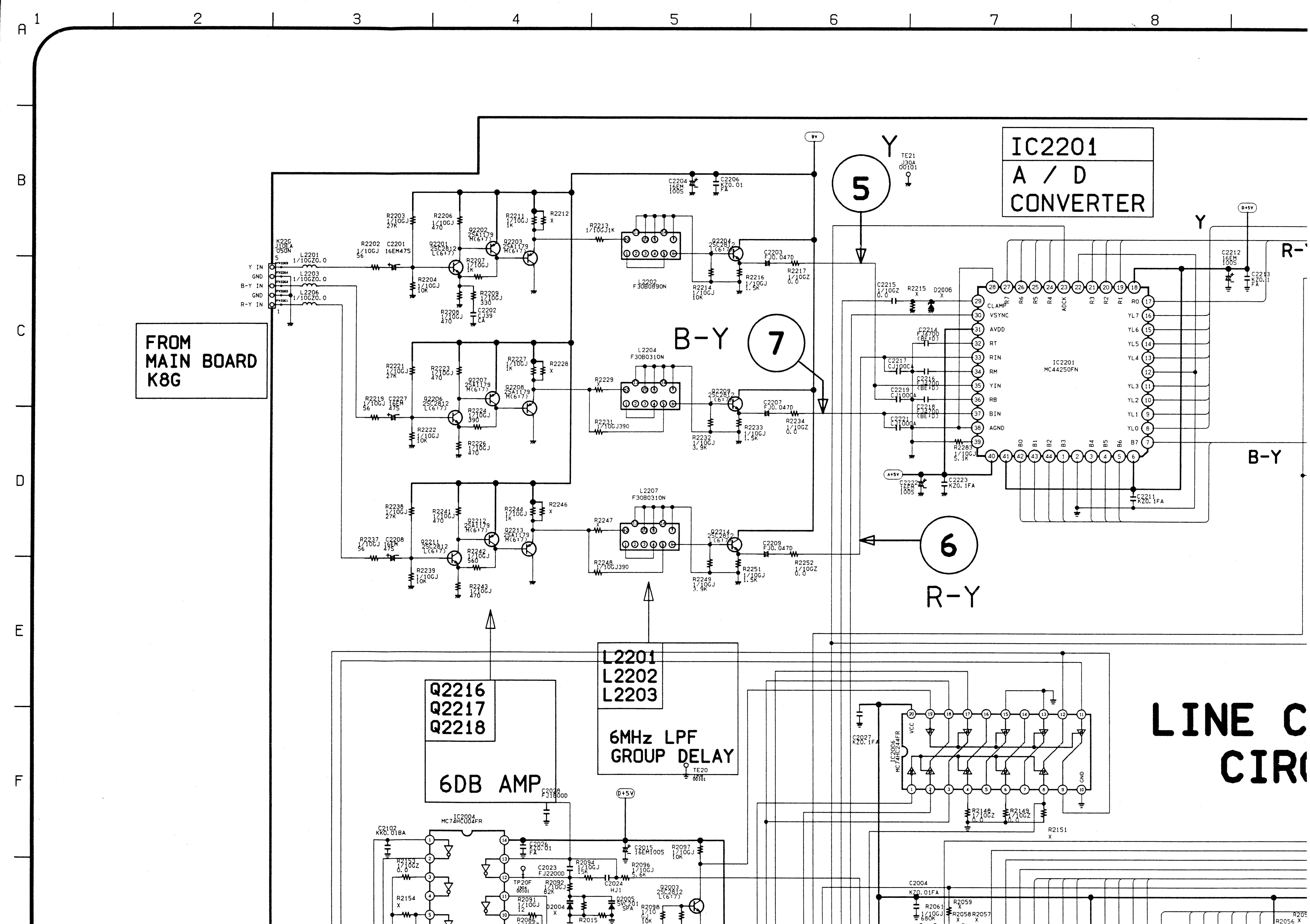
Service Ref. No. PLC-550ME/MB/MP-00

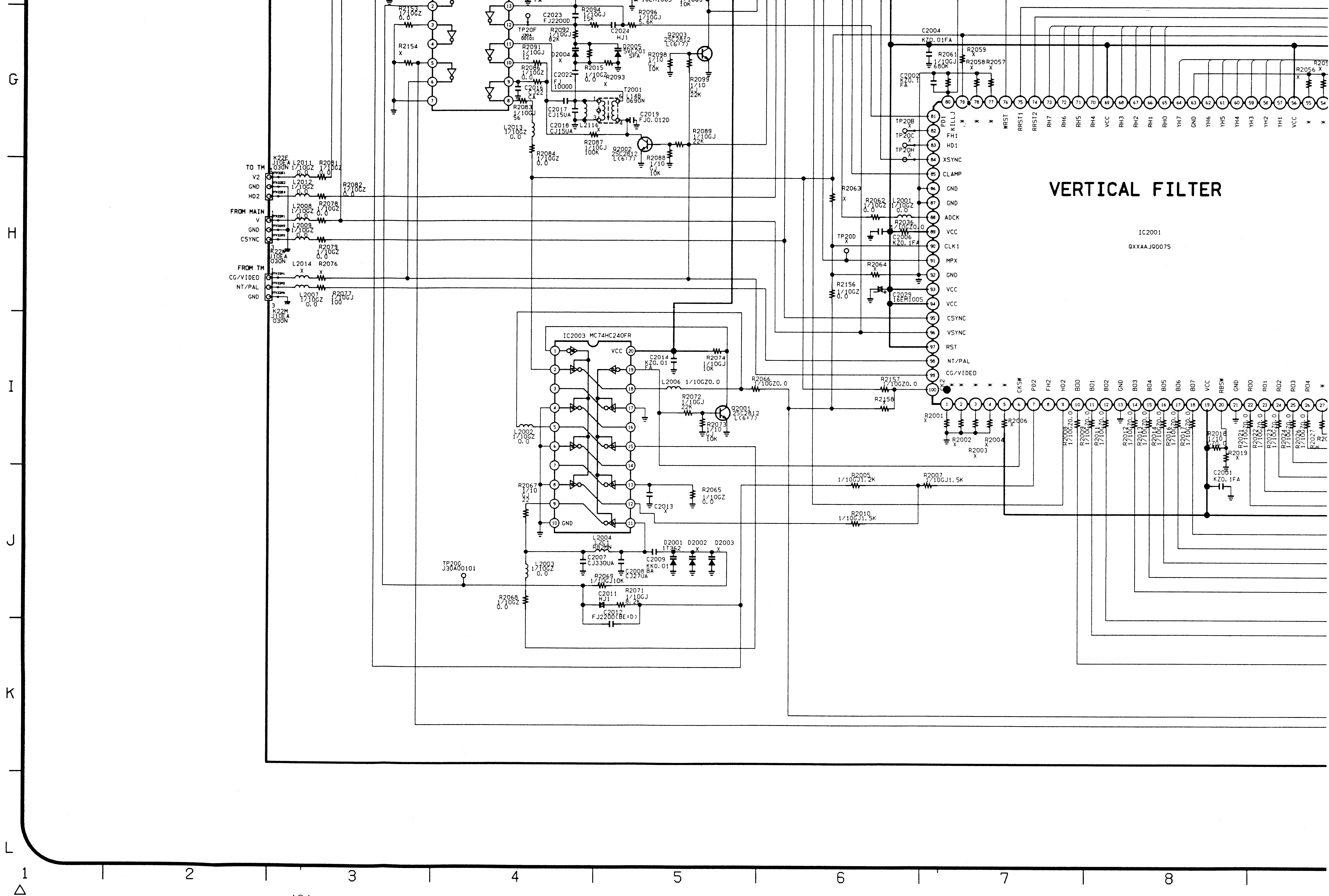

IC351 VIDEO TONE
APERTURE CORRECTION CORING
IC352 MATRIX& SWITCH
VR6401 VIDEO GAIN ADJ
⑪
⑩
⑧
⑨
⑫
⑬
⑭
FROM MAIN BOARD K8G
FROM MAIN BOARD K8F
Y
B-Y
R-Y
R
G
B
VR203
TP20R/
VR6216 TP22G6 VIDEO CENTER ADJ
CXA1420P
IC352 TDA4680/V6
IC7301 LA6082M-G
9V
8VA
-8V
8VB
15V1
K2G J10EA050N
K2F J10EA050N
K2P J10EA050N
K2B J10EA050N
K2GA J10EA060N
R-DSP
G-DSP
B-DSP
BLKO
SCL
SDA
VMUTE
CG/VIDEO
CG-R
CG-G
CG-B
HVBLK
VHBLK
SCL2
SDA2
BGP3
TP20R
TP20G
TP20B
TE20
G-OUT 6
R-OUT 6
B-OUT 6
IC6201 LT1253CS8-G
IC6205 LT1253CS8-G
1
2
3
4
5
6
7
8
A
B
C
D
E
F
G

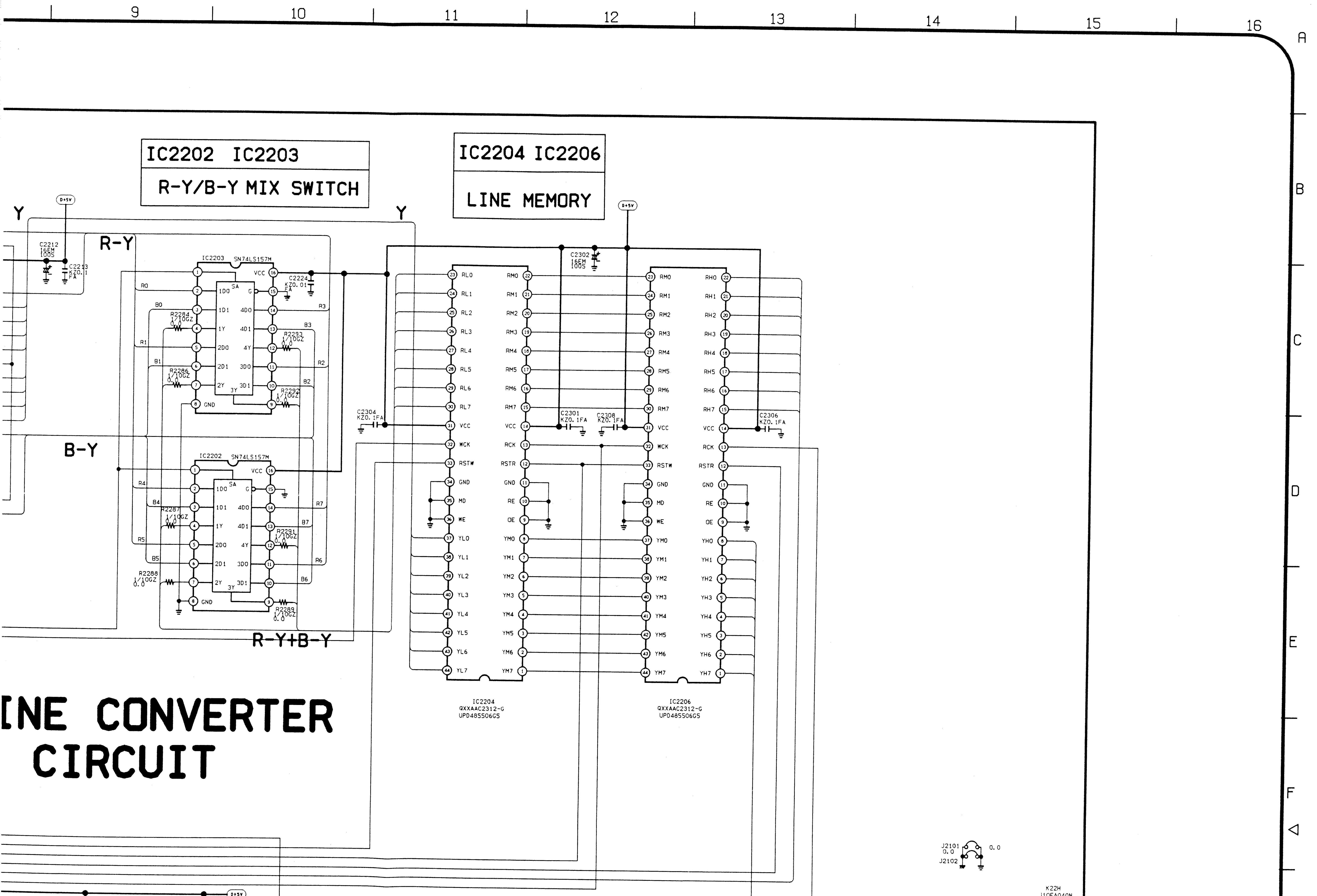

IC6201~03
IC6205~07
IC6209~011
BUFFER & VIDEO ADJ
VR6217 TP61/62
COMMON AMP ADJ
VR6216 TP22G6
VIDEO CENTER ADJ
TP22G1~6
TP22R1~6
G VIDEO
R VIDEO
TO TM BOARD K41B
B VIDE
㉑
⑲
⑱
G-OUT 5
G-OUT 4
G-OUT 3
G-OUT 2
G-OUT 1
R-OUT 5
R-OUT 4
R-OUT 3
R-OUT 2
R-OUT 1
B-OUT 5
B-OUT 4
B-OUT 3
B-OUT 2
B-OUT 1
IC6201 LT1253CS8-G :EL2260CS
IC6202 LT1253CS8-G :EL2260CS
IC6203 LT1253CS8-G :EL2260CS
IC6205 LT1253CS8-G :EL2260CS
IC6206 LT1253CS8-G :EL2260CS
IC6207 LT1253CS8-G :EL2260CS
IC6204 LA6082 M-G
COM EVEN
COM ODD
VIDEO CENTER
COM
K21B J11B01200
TE22R J30A00101
SIG 1
SIG 2
SIG 3
SIG 4
SIG 5
SIG 6
G
H
I
J
K
L
1
2
3
4
5
6
7
8

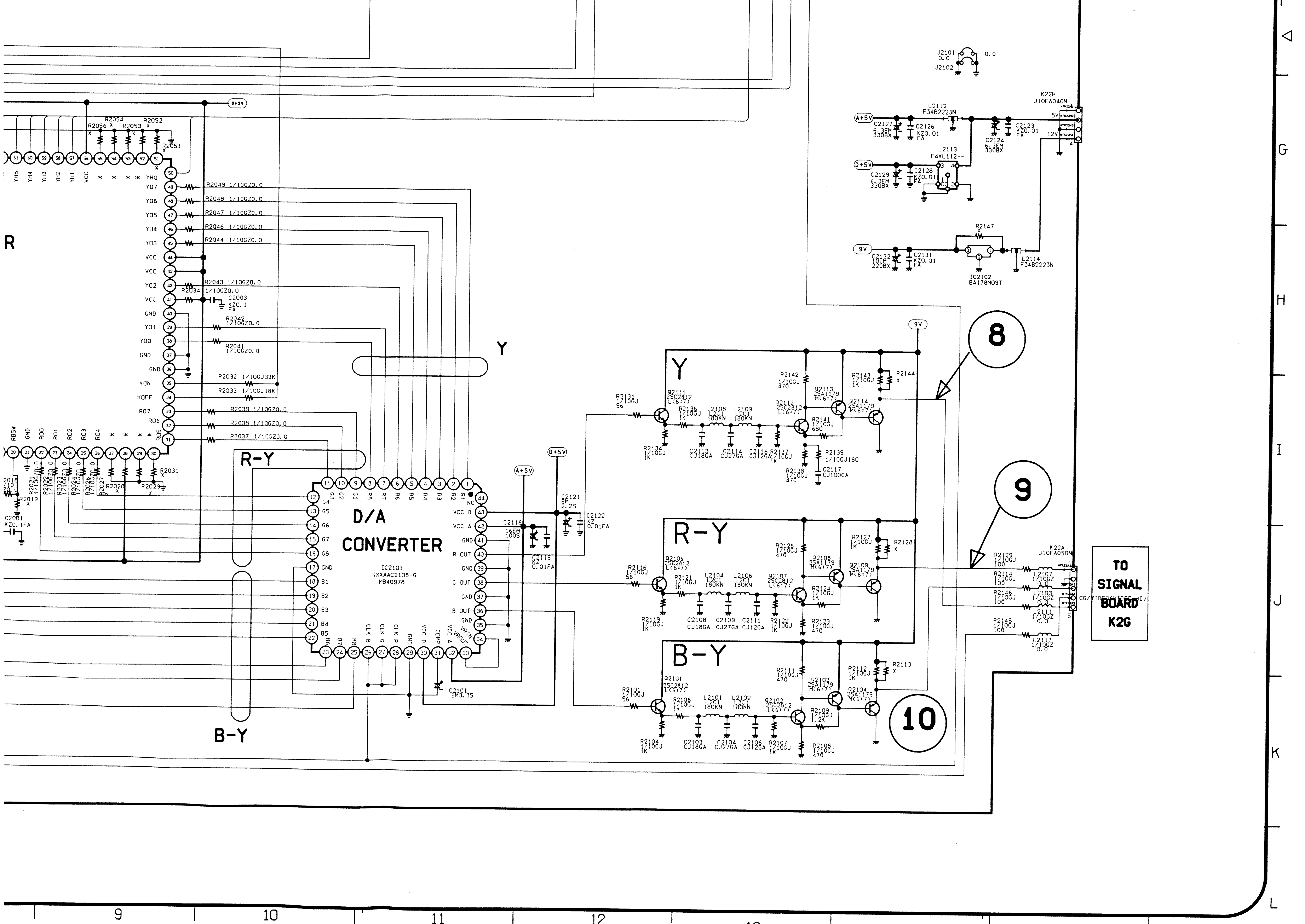

IC201
RGB INTERFACE DRIVER
VR203
VR208
WHITE BALANCE ADJ
V-COM ADJ
VR241 TP52G
TP20R/G/B
G
R
B
VR203
VR208
IC201 IR3Y07
G-OUT
DC DET
R-OUT
GAMMA1
NC
GAMMA2
VT
VCC
R-SUB BRIGHT
CONT
R-CLAMP
R-SUB CONT
BRIGHT
SW
R-IN
G-IN
B-IN
GND
VEE
B-OUT
COM CONT
COM OUT
COM SW
B-SUB CONT
B-SUB BRIGHT
B-CLAMP
G-CLAMP
SYNC IN
TIME
SYNC OUT
VIDEO
B-DSP
G-DSP
R-DSP
Q243 2SC 2812L6
Q242 2SC 2812L6
Q241 2SC 2812L6
Q203 2SC2812L6
Q202 2SC 2812L6
Q201 2SC 2812L6
IC7251
IC7252
IC7253
IC7221 BA178M09
IC7222 PQ30RV31
IC7223 NA178M08T
D7223 DSB015
D7222 DSB015
D7224 DSB015
D201
L7222 L2B94R7JN
L7221
L7223
K2J J10EA050N
K2K J10EA040N
K2H J10EA050N
FROM MAIN
TO TH
VIDEO CENTER
TP21G
TP21R
TP21B
TP20R
TP20G
TP20B
TE20
TP52B
TP52R
VR241
VR242
VR243
VR6211
TP2286
BGP3
-8V
5V
8VB
8VA
15V
9V
17V
250mA
400mA
15
16
17
9
10
11
12
13
14
15
16
A
B
C
D
E
F


SAMPLE HOLD
SAMPLE HOLD
IC251
QXXAAC2265
UPD5024F-036
IC252
QXXAAC2265
UPD5024F-036
IC6209
LT1253CS8-G
:EL2260CS
IC6210
LT1253CS8-G
:EL2260CS
IC6211
LT1253CS8-G
:EL2260CS
VR6211
VR6212
VR6213
VR6214
VR6215
TP22B1
TP22B2
TP22B3
TP22B4
TP22B5
TP22B6
SIG 1
SIG 2
SIG 3
SIG 4
SIG 5
SIG 6
B-OUT 6
B-OUT 5
B-OUT 4
B-OUT 3
B-OUT 2
B-OUT 1
R-OUT 6
R-OUT 5
R-OUT 4
R-OUT 3
R-OUT 2
R-OUT 1
G-OUT 6
G-OUT 5
G-OUT 4
G-OUT 3
G-OUT 2
G-OUT 1
B
G
R
K21A
JI1802500
1
30
PB201
1AA4B10C1050A
1AA0B10C079B0
ASSY PWB. SIGNAL M6GA
TO TM BOARD K41A
B VIDEO
TP22B1~6
20
G
H
I
J
K
L
9
10
11
12
13
14
15
16


1
2
3
4
5
6
7
8
A
B
C
D
E
F
FROM
MAIN BOARD
K8G
K22G
J10EA
050N
Y IN
GND
B-Y IN
GND
R-Y IN
L2201
1/10GZ0.0
L2203
1/10GZ0.0
L2206
1/10GZ0.0
R2202
1/10GJ
56
C2201
16EM475
R2203
1/10GJ
27K
R2204
1/10GJ
10K
R2206
1/10GJ
470
Q2201
2SC2812
L(6:7)
Q2202
2SA1179
M(6:7)
Q2203
2SA1179
M(6:7)
R2207
1/10GJ
1K
R2208
1/10GJ
470
R2209
1/10GJ
330
C2202
CJ39
CA
R2211
1/10GJ
1K
R2212
X
R2213
1/10GJ1K
L2202
F30B0890N
C2204
16EM
100S
C2206
KZ0.01
FA
9V
Q2204
2SC2812
(6:7)
C2203
FJ0.047D
R2217
1/10GZ
0.0
R2214
1/10GJ
10K
R2216
1/10GJ
1.5K
Y
TE21
J30A
00101
5
B-Y
7
L2204
F30B0310N
R2219
1/10GJ
56
C2227
16EM
475
R2221
1/10GJ
27K
R2222
1/10GJ
10K
R2223
1/10GJ
470
Q2206
2SC2812
L(6:7)
Q2207
2SA1179
M(6:7)
Q2208
2SA1179
M(6:7)
R2224
1/10GJ
390
R2226
1/10GJ
470
R2227
1/10GJ
1K
R2228
X
R2229
X
R2231
1/10GJ390
Q2209
2SC2812
(6:7)
C2207
FJ0.047D
R2234
1/10GZ
0.0
R2232
1/10GJ
3.9K
R2233
1/10GJ
1.5K
R2237
1/10GJ
56
C2208
16EM
475
R2238
1/10GJ
27K
R2239
1/10GJ
10K
R2241
1/10GJ
470
Q2211
2SC2812
L(6:7)
Q2212
2SA1179
M(6:7)
Q2213
2SA1179
M(6:7)
R2242
1/10GJ
560
R2243
1/10GJ
470
R2244
1/10GJ
1K
R2246
X
L2207
F30B0310N
R2247
X
R2248
1/10GJ390
Q2214
2SC2812
(6:7)
C2209
FJ0.047D
R2252
1/10GZ
0.0
R2249
1/10GJ
3.9K
R2251
1/10GJ
1.5K
6
R-Y
IC2201
A / D
CONVERTER
IC2201
MC44250FN
CLAMP
VSYNC
AVDD
RT
RIN
RM
YIN
RB
BIN
AGND
R7
R6
R5
R4
ADCK
R3
R2
R1
R0
YL7
YL6
YL5
YL4
YL3
YL2
YL1
YL0
B7
B0
B1
B2
B3
B4
B5
B6
C2215
1/10GZ
0.0
R2215
X
D2006
X
C2214
FJ4700
(BE:D)
C2217
CJ100CA
C2216
FJ4700
(BE:D)
C2219
CJ100CA
C2218
FJ4700
(BE:D)
C2221
CJ100CA
R2283
1/10GJ
5.1K
A+5V
C2222
16EM
100S
C2223
KZ0.1FA
C2211
KZ0.1FA
D+5V
Y
C2212
16EM
100S
C2213
KZ0.1
FA
R-Y
B-Y
Q2216
Q2217
Q2218
6DB AMP
L2201
L2202
L2203
6MHz LPF
GROUP DELAY
TE20
00101
C2028
FJ1800D
D+5V
C2027
KZ0.1FA
IC2006
MC74HC244FR
VCC
GND
R2148
1/10GZ
0.0
R2149
1/10GZ
0.0
R2151
X
LINE C
CIR
C2102
KK0.01BA
IC2004
MC74HCU04FR
R2153
1/10GZ
0.0
R2154
X
C2026
KZ0.01
FA
C2023
FJ22000
TP20F
00101
R2094
1/10GJ
15K
R2092
1/10GJ
82K
C2024
HJ1
R2096
1/10GJ
5.6K
C2015
16EM100S
R2097
1/10GJ
10K
D2005
SVC201
SPA
Q2003
2SC2812
L(6:7)
D2004
X
R2015
R2098
1/10
10K
R2091
1/10GJ
12
R2086
C2004
KZ0.01FA
R2061
1/10GJ
680K
R2059
X
R2058
X
R2057
X
R2056
X

VERTICAL FILTER
IC2001
QXXAAJQ0075
IC2003 MC74HC240FR
VCC
GND
TO TM
V2
GND
HD2
FROM MAIN
V
GND
CSYNC
FROM TM
CG/VIDEO
NT/PAL
GND
K22E
J10EA
030N
K22N
J10EA
030N
K22M
J10EA
030N
PD1
KILLJ
FH1
HD1
XSYNC
CLAMP
GND
GND
ADCK
VCC
CLK1
MPX
GND
VCC
VCC
CSYNC
VSYNC
RST
NT/PAL
CG/VIDEO
CK2
WRST
RRST1
RRST2
RH7
RH6
RH5
RH4
VCC
RH3
RH2
RH1
RH0
YH7
GND
YH6
YH5
YH4
YH3
YH2
YH1
VCC
CKSW
PD2
FH2
HO2
BO0
BO1
BO2
GND
BO3
BO4
BO5
BO6
BO7
VCC
RBSW
GND
RO0
RO1
RO2
RO3
RO4
Q2001 2SC2812 L(6:7)
Q2002 2SC2812 L(6:7)
Q2003 2SC2812 L(6:7)
T2001 L14B 0690N
D2001 1T362
D2002 X
D2003 X
D2004 X
D2005 SVC201 SPA
TP20B
TP20C
TP20H
TP20F
TP200
TP20G J30A00101
C2004 KZ0.01FA
C2029 16EM100S
C2014 KZ0.01 FA
C2001 KZ0.1FA
C2007 CJ330UA
C2008 BA CJ27UA
C2009 KK0.01
C2011 HJ1
C2012 FJ2200(BE:D)
C2013 X
C2017 CJ15UA
C2018 CJ15UA
C2019 FJ0.012D
C2022 FJ 1000D
C2023 FJ2200D
C2024 HJ1
L2001 1/10GZ0.0
L2002 1/10GZ 0.0
L2003 1/10GZ 0.0
L2004 L2C1 R82MN
L2006 1/10GZ0.0
L2013 1/10GZ 0.0
L2116 X
R2005 1/10GJ1.2K
R2007 1/10GJ1.5K
R2010 1/10GJ1.5K
R2065 1/10GZ 0.0
R2066 1/10GZ0.0
R2067 1/10 GJ 22
R2068 1/10GZ 0.0
R2069 1/10GJ10K
R2071 1/10GJ 8.2K
R2072 1/10GJ 22K
R2073 1/10 GJ 10K
R2074 1/10GJ 10K
R2082 1/10GZ 0.0
R2084 1/10GZ 0.0
R2087 1/10GJ 100K
R2088 1/10 GJ 10K
R2089 1/10GJ 22K
R2099 1/10 GJ 22K
R2157 1/10GZ0.0
R2158 X
1
2
3
4
5
6
7
8
G
H
I
J
K
L

9
10
11
12
13
14
15
16
A
B
C
D
E
F
IC2202 IC2203
R-Y/B-Y MIX SWITCH
IC2204 IC2206
LINE MEMORY
Y
R-Y
B-Y
Y
R-Y+B-Y
D+5V
C2212 16EM 100S
C2213 KZ0.1 FA
IC2203 SN74LS157M
IC2202 SN74LS157M
C2224 KZ0.01 FA
SA
1D0
1D1
1Y
2D0
2D1
2Y
3Y
GND
VCC
G
4D0
4D1
4Y
3D0
3D1
R0
B0
R1
B1
R2
B2
R3
B3
R4
B4
R5
B5
R6
B6
R7
B7
R2284 1/10GZ 0.0
R2286 1/10GZ 0.0
R2287 1/10GZ 0.0
R2288 1/10GZ 0.0
R2289 1/10GZ 0.0
R2291 1/10GZ 0.0
R2292 1/10GZ 0.0
R2293 1/10GZ 0.0
C2302 16EM 100S
C2304 KZ0.1FA
C2301 KZ0.1FA
C2308 KZ0.1FA
C2306 KZ0.1FA
RL0
RL1
RL2
RL3
RL4
RL5
RL6
RL7
VCC
WCK
RSTW
GND
MD
WE
YL0
YL1
YL2
YL3
YL4
YL5
YL6
YL7
RM0
RM1
RM2
RM3
RM4
RM5
RM6
RM7
RCK
RSTR
RE
OE
YM0
YM1
YM2
YM3
YM4
YM5
YM6
YM7
RH0
RH1
RH2
RH3
RH4
RH5
RH6
RH7
YH0
YH1
YH2
YH3
YH4
YH5
YH6
YH7
IC2204
QXXAAC2312-G
UPD485506G5
IC2206
QXXAAC2312-G
UPD485506G5
INE CONVERTER
CIRCUIT
J2101
0.0
J2102
0.0
K22H
J10EA040N


D/A
CONVERTER
IC2101
QXXAAC2138-G
MB40978
Y
R-Y
B-Y
R
TO
SIGNAL
BOARD
K2G
8
9
10
D+5V
A+5V
9V
J2101 0.0
J2102
0.0
K22H
J10EA040N
L2112 F34B2223N
C2127 6.3EM 330BX
C2126 KZ0.01 FA
C2124 6.3EM 330BX
C2123 KZ0.01 FA
5V
12V
L2113 F4XL112--
C2129 6.3EM 330BX
C2128 KZ0.01
R2147 X
C2132 10EM 220BX
C2131 KZ0.01 FA
IC2102 BA178M09T
L2114 F34B2223N
R2056 X
R2054 X
R2053 X
R2052 X
R2051 X
YH5
YH4
YH3
YH2
YH1
VCC
YH0
Y07
Y06
Y05
Y04
Y03
VCC
VCC
Y02
VCC
GND
Y01
Y00
GND
GND
KON
KOFF
R07
R06
R05
R85W
GND
R00
R01
R02
R03
R04
R2049 1/10GZ0.0
R2048 1/10GZ0.0
R2047 1/10GZ0.0
R2046 1/10GZ0.0
R2044 1/10GZ0.0
R2043 1/10GZ0.0
R2034 1/10GZ0.0
C2003 KZ0.1 FA
R2042 1/10GZ0.0
R2041 1/10GZ0.0
R2032 1/10GJ33K
R2033 1/10GJ18K
R2039 1/10GZ0.0
R2038 1/10GZ0.0
R2037 1/10GZ0.0
R2031 X
R2029 X
R2028 X
R2027 X
R2019 X
C2001 KZ0.1FA
G4
G5
G6
G7
G8
GND
B1
B2
B3
B4
B5
B6
B7
B8
CLK B
CLK G
CLK R
GND
VCC D
COMP
VCC A
VRIN
VROUT
NC
VCC D
VCC A
GND
R OUT
GND
G OUT
GND
B OUT
GND
G3
G2
G1
R8
R7
R6
R5
R4
R3
R2
R1
C2118 16EM 100S
C2119 KZ 0.01FA
C2121 EM 2.2S
C2122 KZ 0.01FA
C2101 EM3.3S
R2131 1/10GJ 56
Q2111 2SC2812 L(6:7)
R2136 1/10GJ 1K
L2108 L2C1 180KN
L2109 L2C1 180KN
R2134 1/10GJ 1K
C2113 CJ18GA
C2114 CJ27GA
C2116 CJ12GA
R2137 1/10GJ 1K
R2142 1/10GJ 470
Q2112 2SC2812 L(6:7)
Q2113 2SA1179 M(6:7)
R2141 1/10GJ 680
R2139 1/10GJ180
C2117 CJ100CA
R2138 1/10GJ 470
R2143 1/10GJ 1K
R2144 X
Q2114 2SA1179 M(6:7)
R2116 1/10GJ 56
Q2106 2SC2812 L(6:7)
R2121 1/10GJ 1K
L2104 L2C1 180KN
L2106 L2C1 180KN
Q2107 2SC2812 L(6:7)
R2126 1/10GJ 470
Q2108 2SA1179 M(6:7)
R2124 1/10GJ 1K
R2127 1/10GJ 1K
R2128 X
Q2109 2SA1179 M(6:7)
R2119 1/10GJ 1K
C2108 CJ18GA
C2109 CJ27GA
C2111 CJ12GA
R2122 1/10GJ 1K
R2123 1/10GJ 470
R2101 1/10GJ 56
Q2101 2SC2812 L(6:7)
R2106 1/10GJ 1K
L2101 L2C1 180KN
L2102 L2C1 180KN
Q2102 2SC2812 L(6:7)
R2111 1/10GJ 470
Q2103 2SA1179 M(6:7)
R2109 1/10GJ 1.2K
R2112 1/10GJ 1K
R2113 X
Q2104 2SA1179 M(6:7)
R2104 1/10GJ 1K
C2103 CJ18GA
C2104 CJ27GA
C2106 CJ12GA
R2107 1/10GJ 1K
R2108 1/10GJ 470
K22A
J10EA050N
R2129 1/10GJ 100
R2114 1/10GJ 100
R2146 1/10GJ 100
R2145 1/10GJ 100
L2107 1/10GZ 0.0
L2103 1/10GZ 0.0
L2111 1/10GZ 0.0
L2117 1/10GZ 0.0
CG/VIDEO(VIDEO-H)
G
H
I
J
K
L
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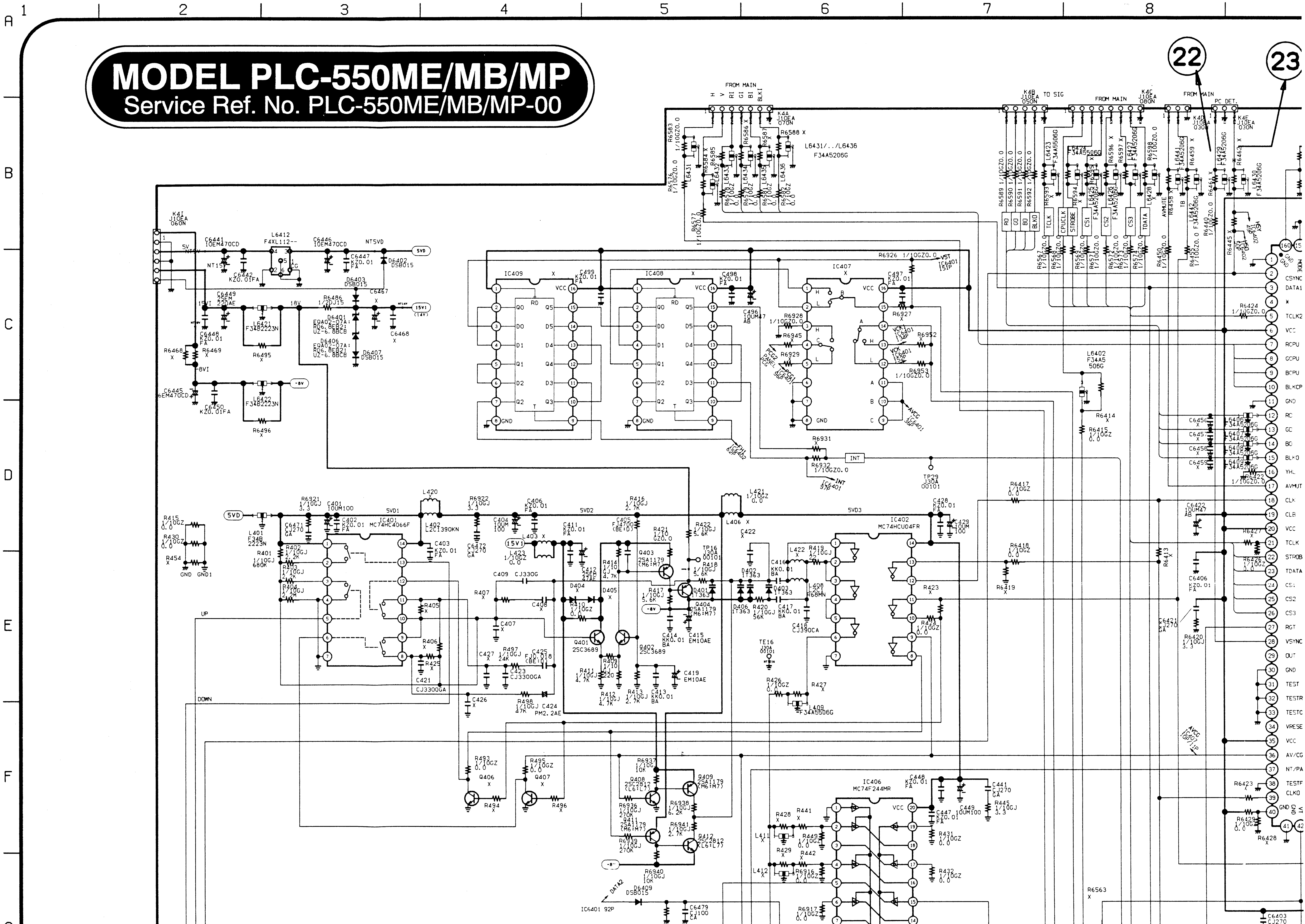
MODEL PLC-550ME/MB/MP
Service Ref. No. PLC-550ME/MB/MP-00


1
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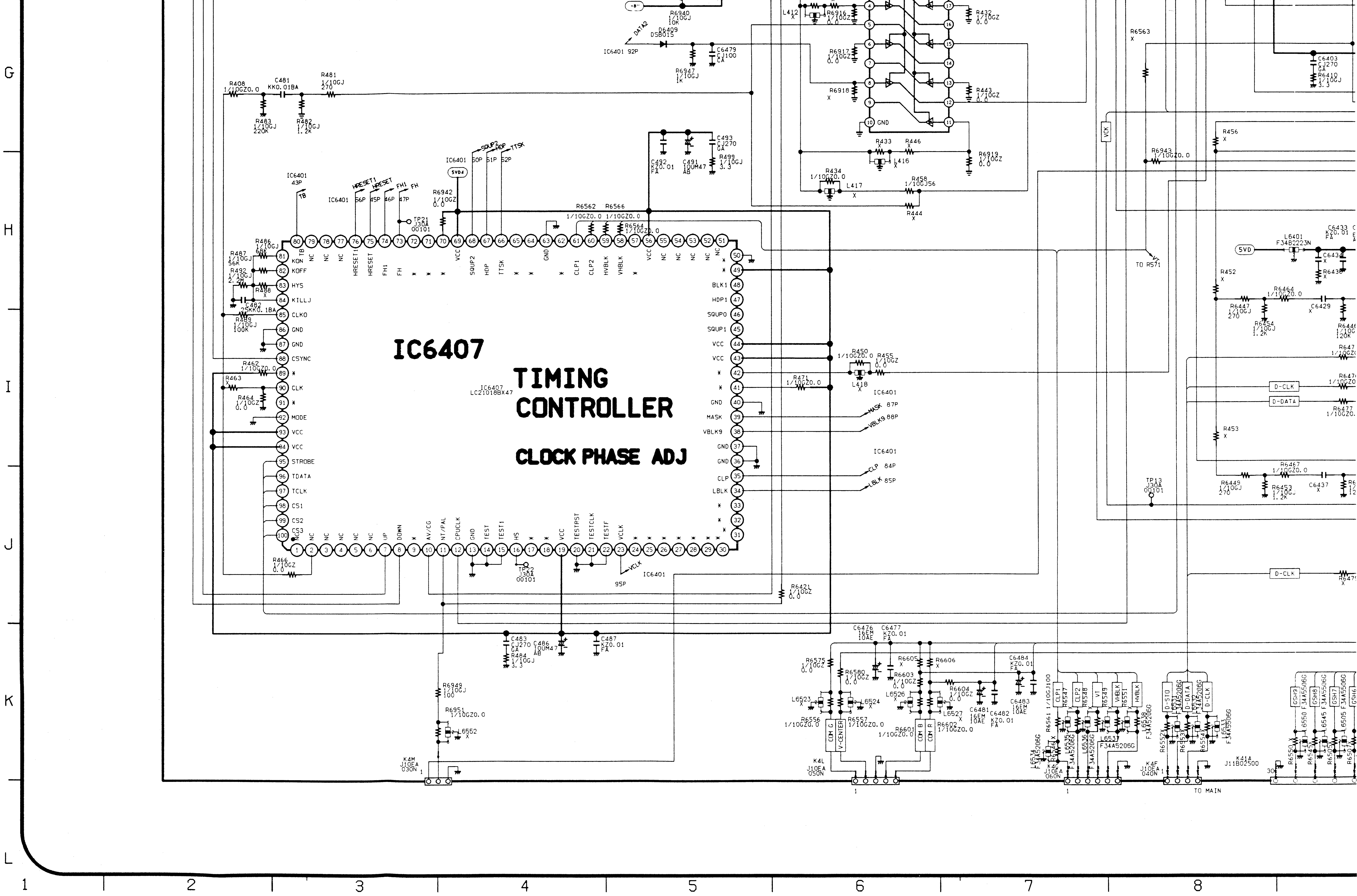
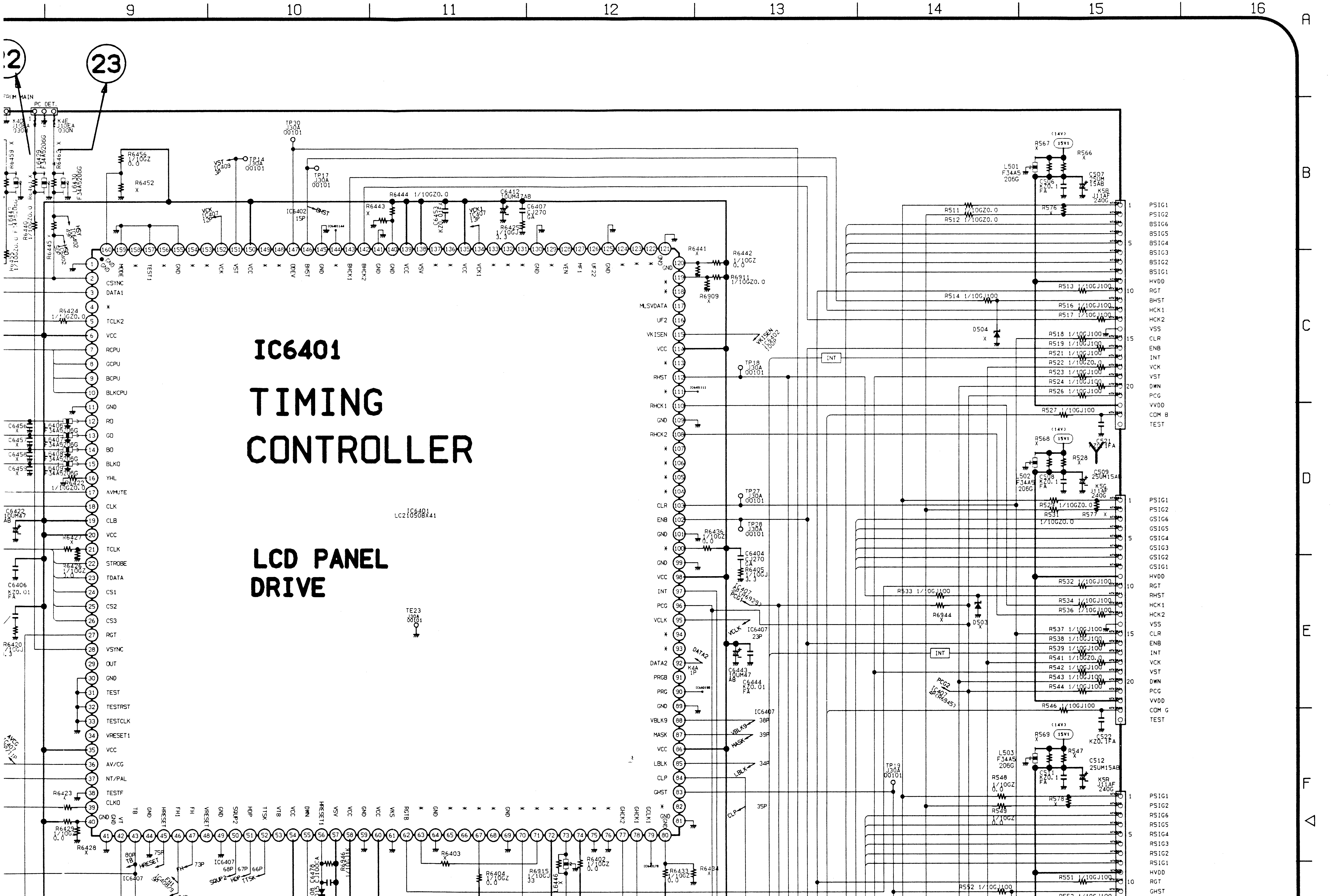
A
B
C
D
E
F
22
23
FROM MAIN
K4A J10EA 070N
L6431/../L6436 F34A5206G
K4B J10EA 050N
TO SIG
K4C J10EA 080N
K4D J10EA 030N
K4F J10EA 030N
PC DET.
K4I J10EA 060N
L6412 F4XL112--
C6441 10EM470CD
C6446 10EM470CD
NT5VD
5VD
D6402 DSB015
D6403 DSB015
C6449 25EM 220AE
L6421 F34B2223N
R6486 1/2DJ15
D6401 EQA02-07A: RD6.8EB2: UZ-6.8BCB
D6406 EQA02-07A: RD6.8EB2: UZ-6.8BCB
D6407 DSB015
15V1
-8V
C6445 6EM470CD
L6422 F34B2223N
IC409
IC408
IC407
GND
VCC
INT
R6926 1/10GZ0.0
TP29 J30A 00101
IC401 MC74HC4066F
IC402 MC74HCU04FR
L420
L402 L2C1390KN
L401 F34B 2223N
5VD1
5VD2
5VD3
Q401 2SC3689
Q402 2SC3689
Q403 2SA1179 (M6:M7)
Q404 2SA1179 (M6:M7)
D402 1T363
D403 1T363
D406 1T363
TP16 J30A 00101
TE16 J30A 00101
L409 F34A5506G
L6402 F34A5 506G
UP
DOWN
Q406
Q407
Q408 2SC2812 (L6:L7)
Q409 2SA1179 (M6:M7)
Q411 2SA1179 (M6:M7)
Q412 2SC2812 (L6:L7)
IC406 MC74F244MR
D6409 DSB015
DATA2
IC6401 92P
R6563
CSYNC
DATA1
TCLK2
RCPU
GCPU
BCPU
BLKCP
RC
GC
BC
BLKO
YHL
AVMUT
CLK
CLB
TCLK
STROB
TDATA
CS1
CS2
CS3
RGT
VSYNC
OUT
TEST
TESTR
TESTC
VRESE
AV/CG
NT/PA
CLKO


IC6407
TIMING CONTROLLER
CLOCK PHASE ADJ
IC6407 LC21018BX47
KON
KOFF
HYS
KILLJ
CLKO
GND
CSYNC
CLK
MODE
VCC
STROBE
TDATA
TCLK
CS1
CS2
CS3
BLK1
HDP1
SQUP0
SQUP1
MASK
VBLK9
CLP
LBLK
HRESET1
HRESET
FH1
FH
SQUP2
HDP
TTSK
CLP1
CLP2
HVBLK
VHBLK
UP
DOWN
AV/CG
NT/PAL
CPUCLK
TEST
TEST1
HS
TESTPST
TESTCLK
TESTF
VCLK
IC6401 43P
IC6401 56P 45P 46P 47P
IC6401 50P 51P 52P
IC6401 87P 88P
IC6401 84P 85P
IC6401 95P
IC6401 92P
TP21 J30A 00101
TP22 J30A 00101
TP13 J30A 00101
SVD4
SVD
VCK
D-CLK
D-DATA
TO R571
COM G
V-CENTER
COM B
COM R
CLP1
CLP2
VI
VHBLK
HVBLK
D-STO
D-DATA
D-CLK
K4M J10EA 030N
K4L J10EA 050N
K4G J10EA 060N
K4F J10EA 040N
K41A J11B02500
TO MAIN
G
H
I
J
K
L
1
2
3
4
5
6
7
8


9
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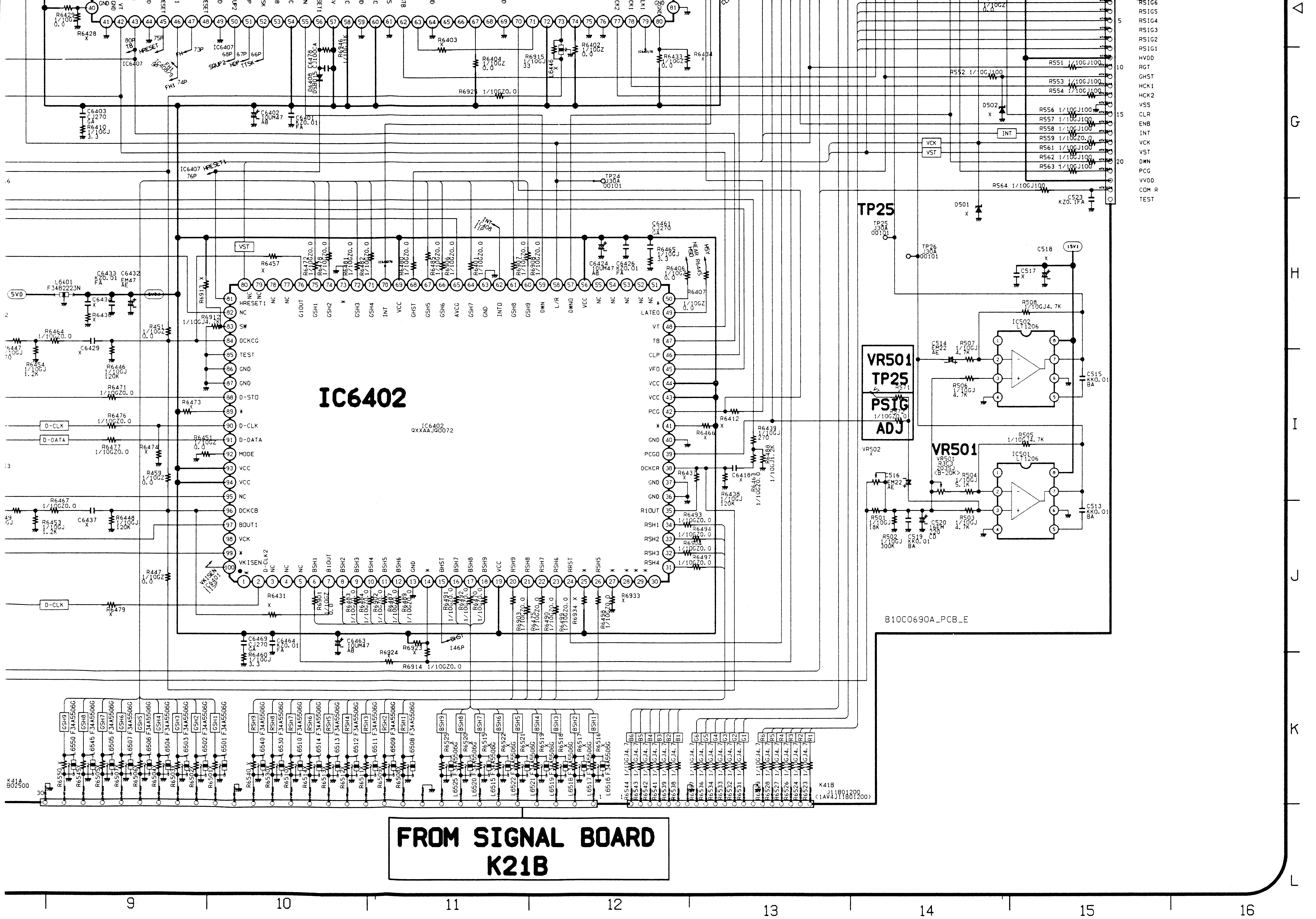
15
16
A
B
C
D
E
F
22
23
FROM MAIN
PC DET.
IC6401
TIMING
CONTROLLER
LCD PANEL
DRIVE
IC6401
LC21050BX41
TE23
J30A
00101
TP30
TP17
TP14
TP18
TP27
TP28
TP19
R6456
R6452
R6444 1/10GZ0.0
R6443
C6412
C6407
R6425
R6441
R6442
R6911
R6909
R6424
R6427
R6426
R6422
R6423
R6429
R6428
R6420
R6436
C6404
R6405
C6443
C6444
R6403
R6404
R6915
R6402
R6433
R6434
C6406
C6422
CSYNC
DATA1
TCLK2
VCC
RCPU
GCPU
BCPU
BLKCPU
GND
RO
GO
BO
BLKO
YHL
AVMUTE
CLK
CLB
TCLK
STROBE
TDATA
CS1
CS2
CS3
RGT
VSYNC
OUT
TEST
TESTRST
TESTCLK
VRESET1
AV/CG
NT/PAL
TESTF
CLKO
MLSVDATA
UF2
VKISEN
RHST
RHCK1
RHCK2
CLR
ENB
INT
PCG
VCLK
DATA2
PRGB
PRG
VBLK9
MASK
LBLK
CLP
GHST
MODE
TEST1
VCK
VST
DDEV
BHST
BHCK1
BHCK2
VSV
VCK1
VEN
MF1
UF22
TB
HRESET
FHI
FH
VRESET
SDUP2
HDP
TTSK
VTB
DWN
HRESET1
VKS
RGTB
GHCK2
GHCK1
GCLK1
IC6407
R511 1/10GZ0.0
R512 1/10GZ0.0
R513 1/10GJ100
R514 1/10GJ100
R516 1/10GJ100
R517 1/10GJ100
R518 1/10GJ100
R519 1/10GJ100
R521 1/10GJ100
R522 1/10GZ0.0
R523 1/10GJ100
R524 1/10GJ100
R526 1/10GJ100
R527 1/10GJ100
R529 1/10GZ0.0
R531 1/10GZ0.0
R532 1/10GJ100
R533 1/10GJ100
R534 1/10GJ100
R536 1/10GJ100
R537 1/10GJ100
R538 1/10GJ100
R539 1/10GJ100
R541 1/10GZ0.0
R542 1/10GJ100
R543 1/10GJ100
R544 1/10GJ100
R546 1/10GJ100
R548 1/10GZ
R549 1/10GZ
R551 1/10GJ100
R552 1/10GJ100
R566
R567
R568
R569
R576
R577
R578
R528
R547
R6944
L501 F34A5 206G
L502 F34A5 206G
L503 F34A5 206G
C506
C507
C508
C509
C511
C512
C521
C522
K5B
K5G
K5R
D503
D504
(14V)
(15V1)
PSIG1
PSIG2
BSIG6
BSIG5
BSIG4
BSIG3
BSIG2
BSIG1
HVDD
RGT
BHST
HCK1
HCK2
VSS
CLR
ENB
INT
VCK
VST
DWN
PCG
VVDD
COM B
TEST
GSIG6
GSIG5
GSIG4
GSIG3
GSIG2
GSIG1
RHST
COM G
RSIG6
RSIG5
RSIG4
RSIG3
RSIG2
RSIG1
GHST


IC6402
IC6402
QXXAAJQ0072
HRESET1
NC
SW
DCKCG
TEST
GND
D-STO
D-CLK
D-DATA
MODE
VCC
DCKCB
BOUT1
VCK
VKISEN
LATEO
VT
TB
CLP
VFO
PCG
PCGO
DCKCR
R1OUT
RSH1
RSH2
RSH3
RSH4
G1OUT
GSH1
GSH2
GSH3
GSH4
INT
GHST
GSH5
GSH6
AVCG
GSH7
INTO
GSH8
GSH9
DWN
L/R
DWNO
BSH1
B1OUT
BSH2
BSH3
BSH4
BSH5
BSH6
BHST
BSH7
BSH8
BSH9
RSH9
RSH8
RSH7
RSH6
RRST
RSH5
VST
INT
VCK
VST
SVD
D-CLK
D-DATA
D-CLK
TP24
TP25
TP26
RSIG6
RSIG5
RSIG4
RSIG3
RSIG2
RSIG1
HVDD
RGT
GHST
HCK1
HCK2
VSS
CLR
ENB
INT
VCK
VST
DWN
PCG
VVDD
COM R
TEST
VR501
TP25
PSIG
ADJ
VR501
VR502
IC502
LT1206
IC501
LT1206
15V1
B10C0690A_PCB_E
K41A
B02500
K41B
J11B01200
(1AV4J11B01200)
FROM SIGNAL BOARD
K21B
G
H
I
J
K
L
9
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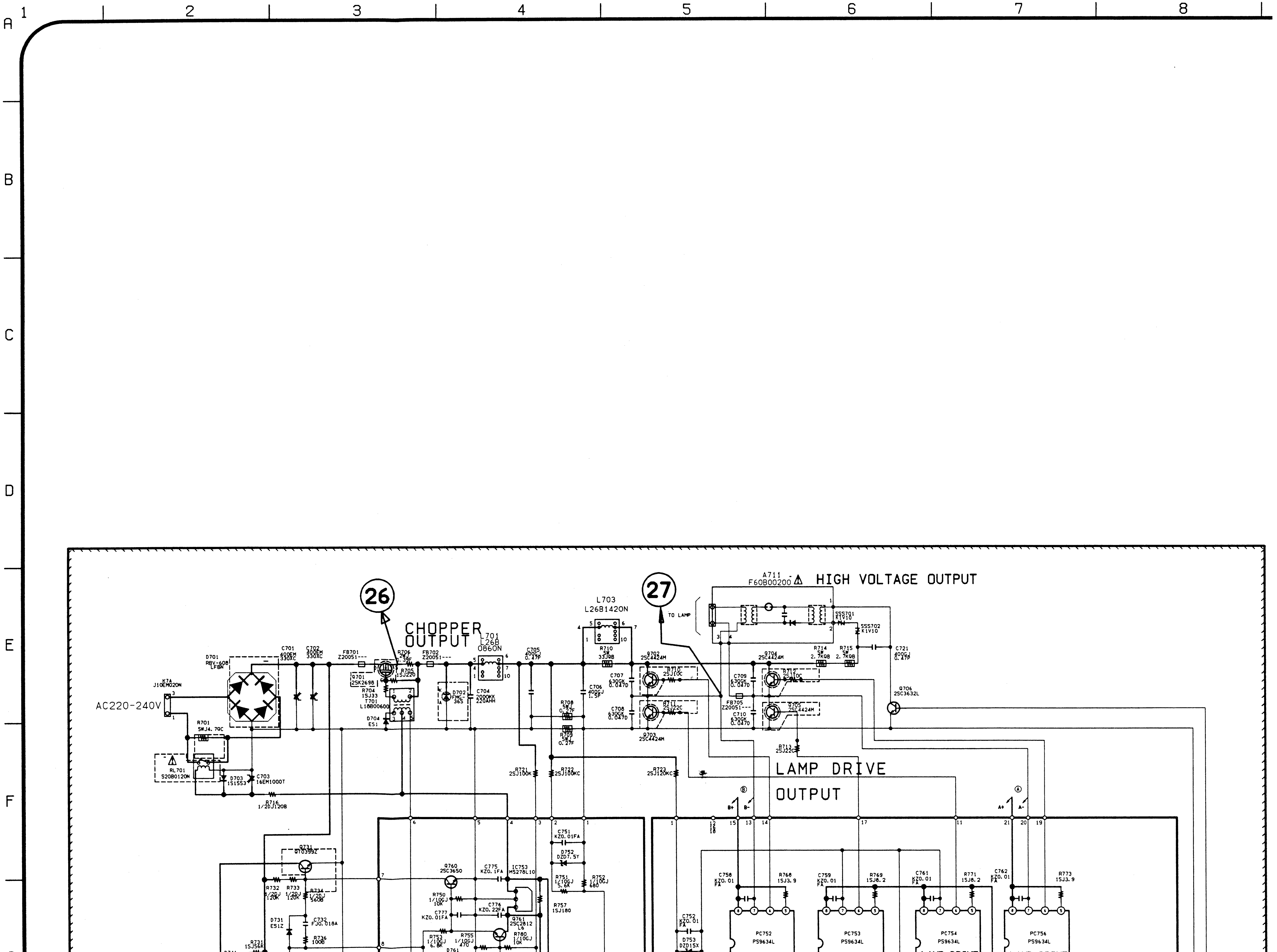
16


1
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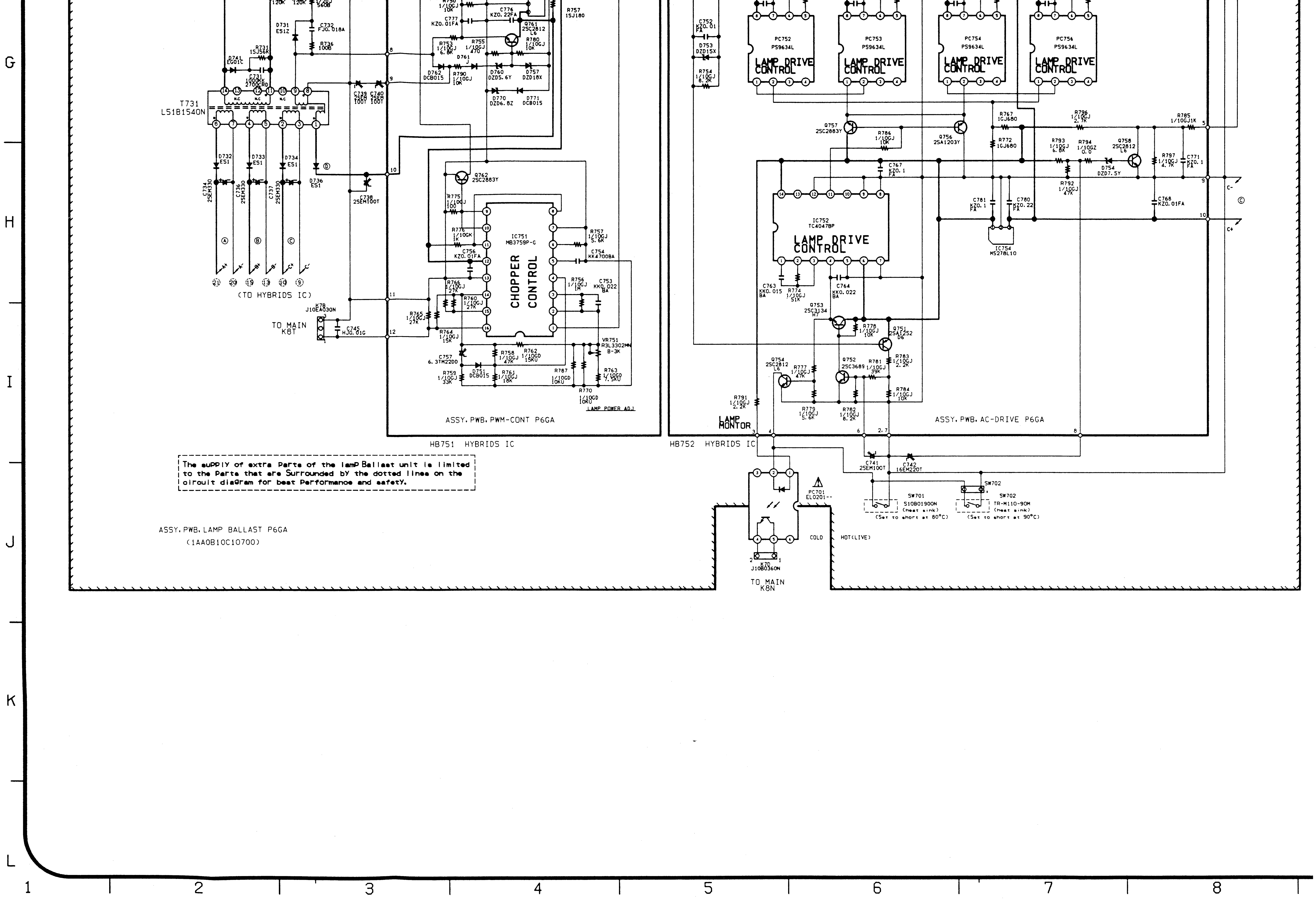
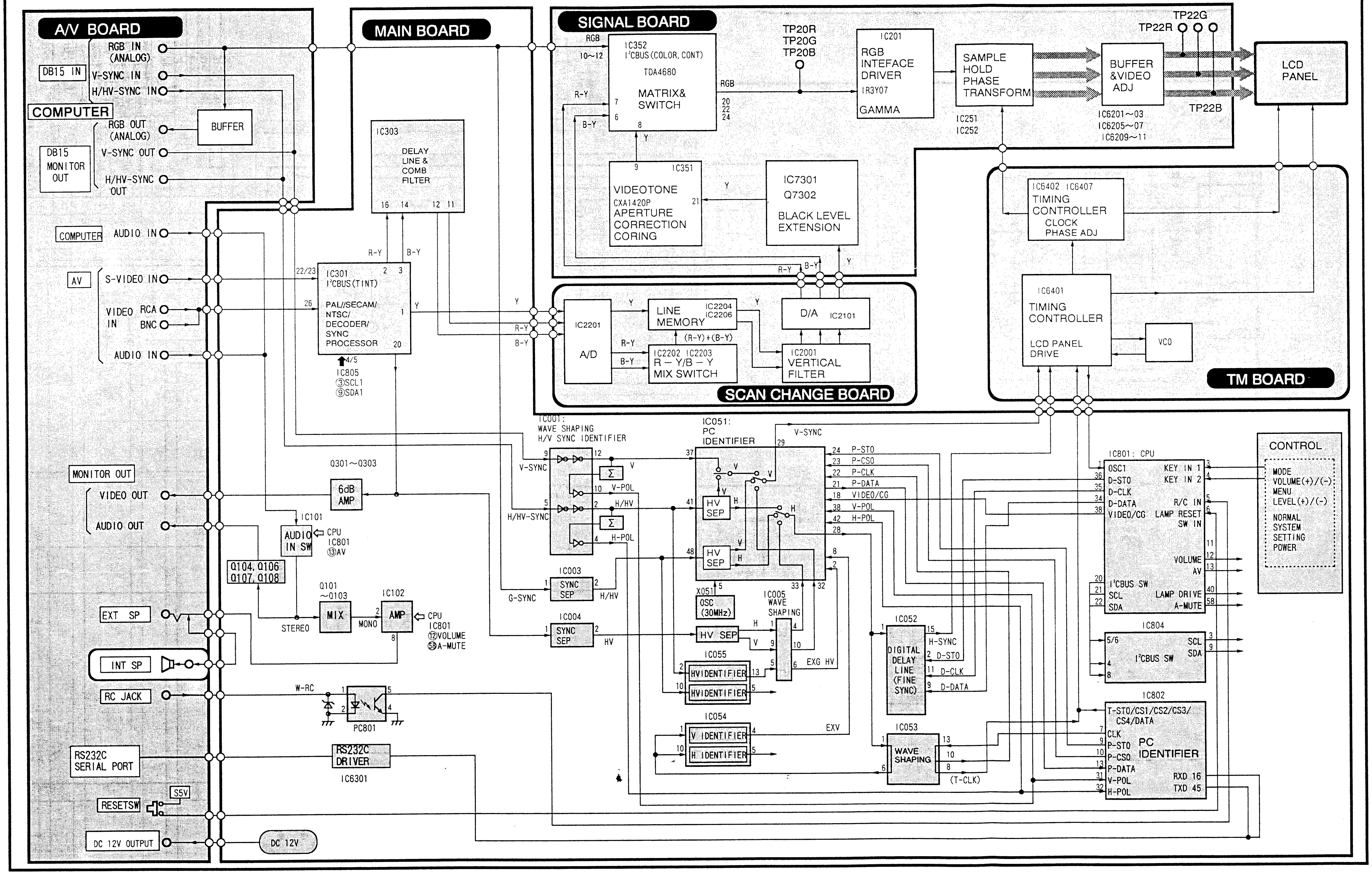
7
8
A
B
C
D
E
F
AC220-240V
K7A
J10EM020N
D701
RBV-608
LFBN
C701
400EM
330XC
C702
400EM
330XC
FB701
Z20051
26
CHOPPER
OUTPUT
Q701
2SK2698
R704
1SJ33
T701
L18800600
D704
ES1
R706
R705
1SJ220
FB702
Z20051
L701
L26B
0860N
D702
FMG-36S
C704
200OKK
220AHH
C705
400GJ
0.47P
L703
L26B1420N
R710
5W
33J0B
C706
400GJ
1.5P
C707
630GK
0.047D
C708
630GK
0.047D
R708
R709
27
TO LAMP
Q702
2SC4424M
R710
2SJ10C
R711
2SJ22C
Q703
2SC4424M
A711
F60B00200
HIGH VOLTAGE OUTPUT
SSS701
K1V10
SSS702
K1V10
R714
5W
2.7K0B
R715
5W
2.7K0B
C721
400GJ
0.47P
Q704
2SC4424M
R712
2SJ10C
C709
630GK
0.047D
FB705
Z20051
C710
630GK
0.047D
Q705
2SC4424M
R713
2SJ22C
Q706
2SC3632L
R701
5WJ4.7QC
RL701
S20B0120N
D703
1S1553
C703
16EM1000T
R716
1/2DJ120B
R721
2SJ100K
R722
2SJ100KC
R723
2SJ120KC
LAMP DRIVE
OUTPUT
Ⓑ
B+
B-
Ⓐ
A+
A-
Q731
QT0399Z
R732
1/2DJ
120K
R733
1/2DJ
120K
R734
1/2DJ
560B
D731
ES1Z
C732
FJ0.018A
R736
100B
R731
1SJ56K
Q760
2SC3650
R750
1/10GJ
10K
C777
KZ0.01FA
C775
KZ0.1FA
C776
KZ0.22FA
IC753
M5278L10
Q761
2SC2812
L6
R753
1/10GJ
6.8K
R755
1/10GJ
470
D761
R780
1/10GJ
10K
C751
KZ0.01FA
D752
DZD7.5Y
R751
1/10GJ
5.6K
R752
1/10GJ
680
R757
1SJ180
C752
KZ0.01
FA
D753
DZD15X
C758
KZ0.01
FA
R768
1SJ3.9
C759
KZ0.01
FA
R769
1SJ8.2
C761
KZ0.01
FA
R771
1SJ8.2
C762
KZ0.01
FA
R773
1SJ3.9
PC752
PS9634L
PC753
PS9634L
PC754
PS9634L
PC756
PS9634L


T731
L51B1540N
(TO HYBRIDS IC)
TO MAIN
K8T
K78
J10EA030N
IC751
MB3759P-G
CHOPPER CONTROL
Q762
2SC2883Y
VR751
LAMP POWER ADJ
ASSY. PWB. PWM-CONT P6GA
HB751 HYBRIDS IC
PC752
PS9634L
PC753
PS9634L
PC754
PS9634L
PC756
PS9634L
LAMP DRIVE CONTROL
Q757
2SC2883Y
Q756
2SA1203Y
IC752
TC4047BP
LAMP DRIVE CONTROL
IC754
M5278L10
Q758
2SC2812
L6
Q753
2SC3134
Q751
2SA1252
Q752
2SC3689
Q754
2SC2812
L6
LAMP MONTOR
ASSY. PWB. AC-DRIVE P6GA
HB752 HYBRIDS IC
PC701
EL0201--
SW701
S10B01900N
(heat sink)
(Set to short at 80°C)
SW702
TR-M110-90M
(heat sink)
(Set to short at 90°C)
COLD
HOT(LIVE)
K70
J10B0360N
TO MAIN
K8N
ASSY. PWB. LAMP BALLAST P6GA
(1AA0B10C10700)
G
H
I
J
K
L
1
2
3
4
5
6
7
8

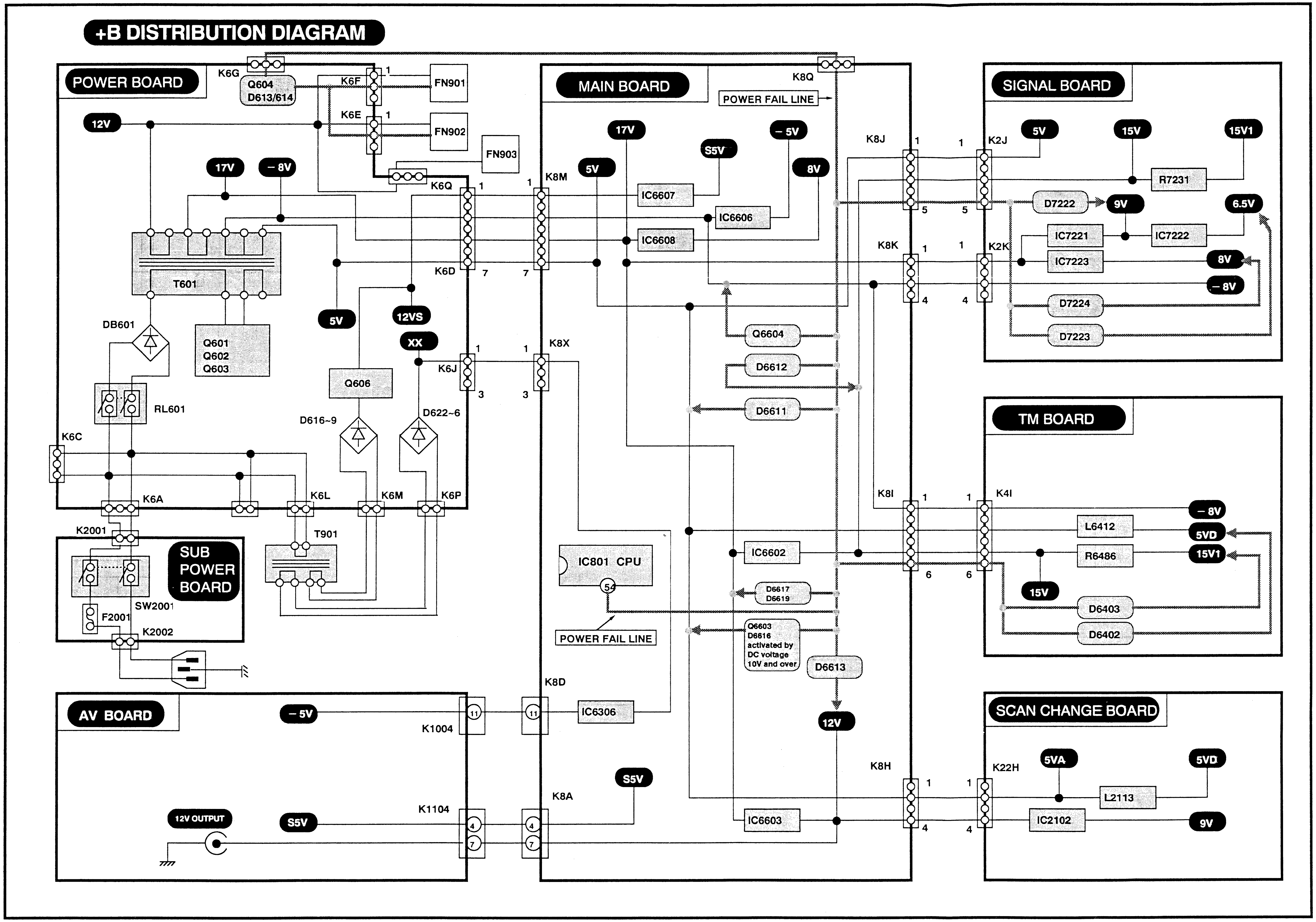
The supply of extra Parts of the lamp Ballast unit is limited to the Parts that are Surrounded bY the dotted lines on the circuit diagram for best Performance and safety.

BLOCK DIAGRAM


A/V BOARD
MAIN BOARD
SIGNAL BOARD
SCAN CHANGE BOARD
TM BOARD
DB15 IN
COMPUTER
RGB IN (ANALOG)
V-SYNC IN
H/HV-SYNC IN
BUFFER
RGB OUT (ANALOG)
V-SYNC OUT
H/HV-SYNC OUT
DB15 MONITOR OUT
COMPUTER AUDIO IN
AV
S-VIDEO IN
VIDEO IN RCA
BNC
AUDIO IN
MONITOR OUT
VIDEO OUT
AUDIO OUT
EXT SP
INT SP
RC JACK
RS232C SERIAL PORT
RESETSW
S5V
DC 12V OUTPUT
DC 12V
IC303 DELAY LINE & COMB FILTER
IC301 I²CBUS(TINT) PAL//SECAM/ NTSC/ DECODER/ SYNC PROCESSOR
IC805 ③SCL1 ⑨SDA1
Q301~0303
6dB AMP
IC101 AUDIO IN SW
CPU IC801 ⑬AV
Q104, Q106 Q107, Q108
Q101 ~0103
MIX
STEREO
MONO
IC102 AMP
CPU IC801 ⑫VOLUME ㊿A-MUTE
W-RC
PC801
RS232C DRIVER
IC6301
IC352 I²CBUS (COLOR, CONT) TDA4680 MATRIX& SWITCH
RGB 10~12
R-Y
B-Y
IC351 VIDEOTONE CXA1420P APERTURE CORRECTION CORING
IC7301 Q7302 BLACK LEVEL EXTENSION
TP20R TP20G TP20B
IC201 RGB INTEFACE DRIVER IR3Y07 GAMMA
SAMPLE HOLD PHASE TRANSFORM
IC251 IC252
BUFFER &VIDEO ADJ
IC6201~03 IC6205~07 IC6209~11
TP22R TP22G TP22B
LCD PANEL
IC2201 A/D
LINE MEMORY IC2204 IC2206
(R-Y)+(B-Y)
IC2202 IC2203 R – Y/B – Y MIX SWITCH
D/A IC2101
IC2001 VERTICAL FILTER
IC6402 IC6407 TIMING CONTROLLER CLOCK PHASE ADJ
IC6401 TIMING CONTROLLER LCD PANEL DRIVE
VCO
IC001: WAVE SHAPING H/V SYNC IDENTIFIER
V-SYNC
H/HV-SYNC
V-POL
H/HV
H-POL
IC003 SYNC SEP
G-SYNC
IC004 SYNC SEP
HV
IC051: PC IDENTIFIER
HV SEP
X051 OSC (30MHz)
IC005 WAVE SHAPING
EXG HV
IC055 HVIDENTIFIER HVIDENTIFIER
IC054 V IDENTIFIER H IDENTIFIER
EXV
P-STO P-CSO P-CLK P-DATA VIDEO/CG V-POL H-POL
IC052 DIGITAL DELAY LINE (FINE SYNC)
H-SYNC D-STO D-CLK D-DATA
IC053 WAVE SHAPING
(T-CLK)
IC801: CPU
OSC1 D-STO D-CLK D-DATA VIDEO/CG
KEY IN 1 KEY IN 2 R/C IN LAMP RESET SW IN
VOLUME AV
I²CBUS SW SCL SDA
LAMP DRIVE A-MUTE
IC804 I²CBUS SW SCL SDA
IC802 PC IDENTIFIER
T-STO/CS1/CS2/CS3/ CS4/DATA CLK P-STO P-CSO P-DATA V-POL H-POL
RXD TXD
CONTROL
MODE VOLUME(+)/(-) MENU LEVEL(+)/(-) NORMAL SYSTEM SETTING POWER

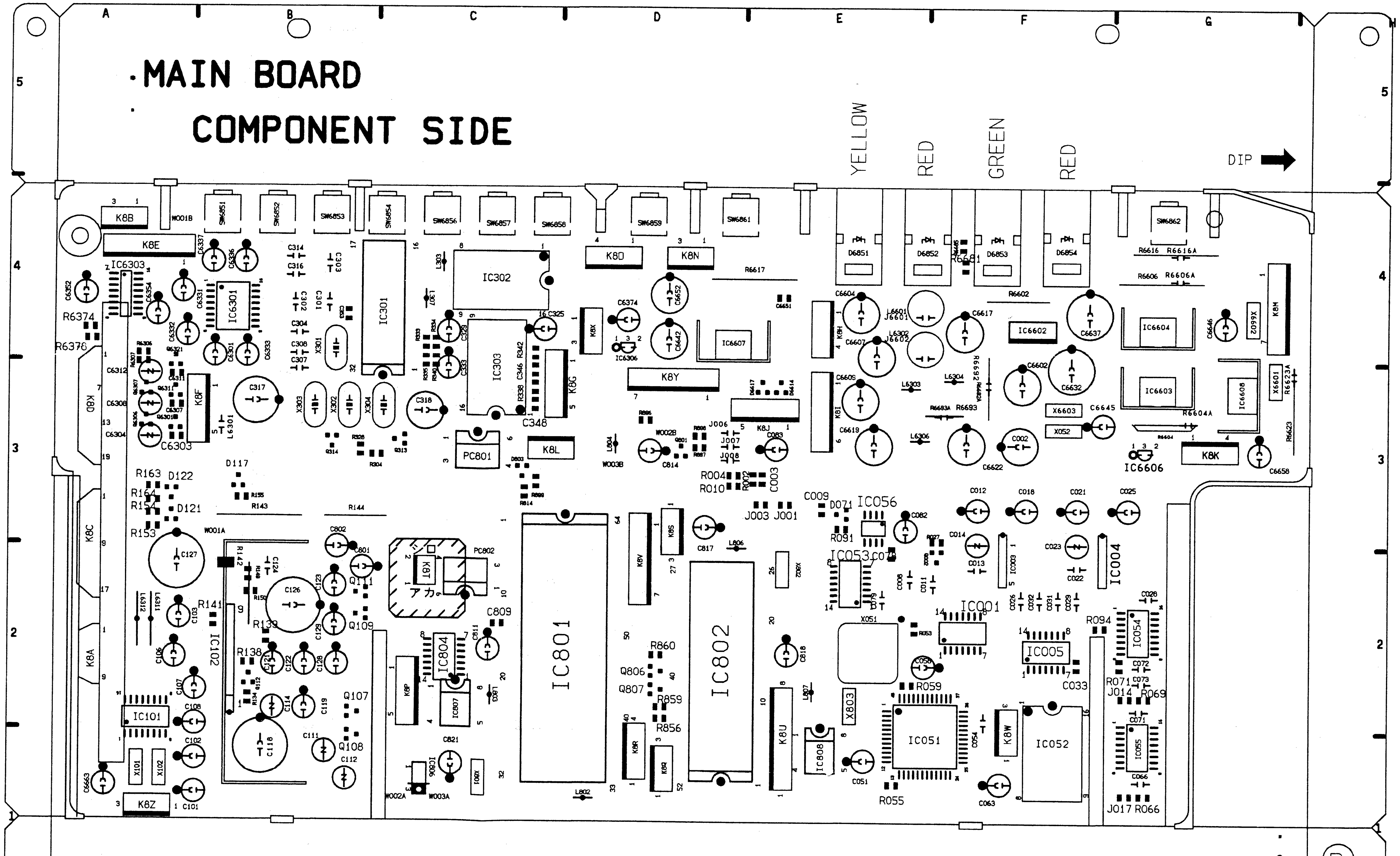
+B DISTRIBUTION DIAGRAM

+B DISTRIBUTION DIAGRAM

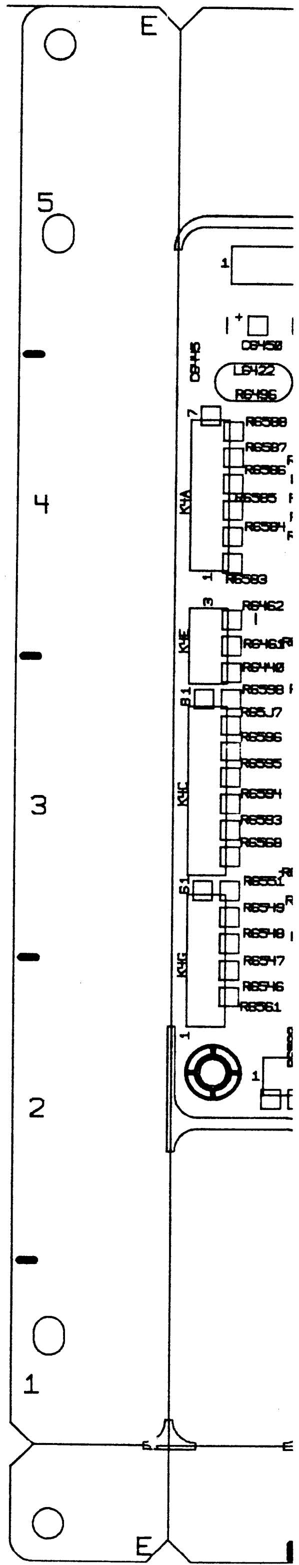

POWER BOARD
K6G
Q604
D613/614
K6F
K6E
FN901
FN902
FN903
12V
17V
– 8V
T601
DB601
Q601
Q602
Q603
5V
12VS
XX
Q606
K6Q
K6D
K6J
RL601
D616~9
D622~6
K6C
K6A
K6L
K6M
K6P
T901
K2001
SUB POWER BOARD
SW2001
F2001
K2002
MAIN BOARD
K8Q
POWER FAIL LINE
17V
S5V
– 5V
5V
8V
K8M
IC6607
IC6606
IC6608
K8X
Q6604
D6612
D6611
IC801 CPU
54
POWER FAIL LINE
IC6602
D6617
D6619
Q6603
D6616
activated by
DC voltage
10V and over
D6613
12V
K8D
IC6306
K8A
S5V
IC6603
K8J
K8K
K8I
K8H
SIGNAL BOARD
K2J
K2K
5V
15V
15V1
R7231
D7222
9V
6.5V
IC7221
IC7222
IC7223
8V
– 8V
D7224
D7223
TM BOARD
K4I
– 8V
L6412
5VD
R6486
15V1
15V
D6403
D6402
SCAN CHANGE BOARD
K22H
5VA
5VD
L2113
IC2102
9V
AV BOARD
– 5V
K1004
K1104
12V OUTPUT
S5V
11
4
7
1
3
5
6

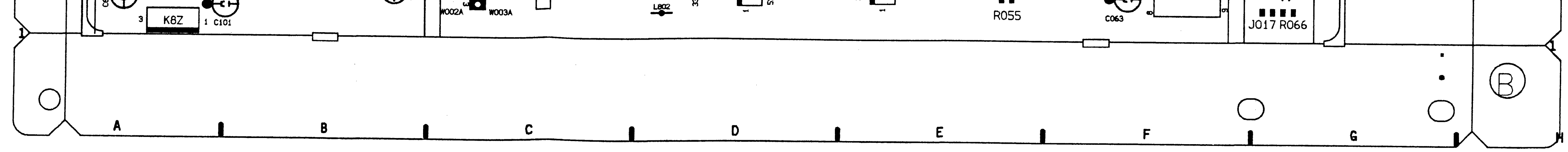
MODEL PLC-550ME/MB/MP
Service Ref. No. PLC-550ME/MB/MP-00

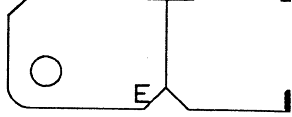
COMPONENT AND TESTPOINT LOCATIONS
(See Parts Address List)


A
B
C
D
E
F
G
H
5
4
3
2
1
·MAIN BOARD
COMPONENT SIDE
YELLOW
RED
GREEN
RED
DIP
K8B
W001B
SW6851
SW6852
SW6853
SW6854
SW6856
SW6857
SW6858
SW6859
SW6861
SW6862
K8E
K8D
K8N
K8M
K8K
K8X
K8Y
K8G
K8F
K8L
K8H
K8I
K8C
K8A
K8Z
K8T
K8P
K8V
K8S
K8R
K8Q
K8U
K8W
IC6303
IC6301
IC301
IC302
IC303
IC6306
IC6607
IC6602
IC6604
IC6603
IC6608
IC6606
IC101
IC102
IC801
IC802
IC804
IC807
IC808
IC056
IC053
IC001
IC003
IC004
IC005
IC051
IC052
IC054
IC055
D6851
D6852
D6853
D6854
D117
D122
D121
R6374
R6376
R6617
R6602
R6616
R6616A
R6606
R6606A
R6623
R6623A
R6604A
R6681
R6692
R6683A
R6693
R163
R164
R153
R143
R144
R142
R141
R139
R138
R860
R859
R856
R004
R010
R091
R059
R055
R094
R071
R069
R066
C6337
C6336
C6331
C6332
C6352
C6312
C6308
C6304
C6303
C6374
C6652
C6642
C6604
C6607
C6605
C6619
C6617
C6637
C6602
C6632
C6645
C6622
C6646
C6658
C6663
C314
C316
C303
C301
C302
C304
C306
C307
C317
C318
C325
C329
C333
C346
C348
C127
C126
C123
C124
C122
C128
C129
C114
C118
C119
C111
C112
C106
C107
C108
C102
C101
C103
C802
C801
C809
C811
C821
C814
C817
C818
C009
C003
C002
C012
C018
C021
C025
C082
C014
C013
C023
C022
C026
C033
C051
C054
C056
C063
C066
C071
C072
C073
X301
X302
X303
X304
X6603
X052
X6601
X6602
X051
X803
X101
X102
L303
L307
L6301
L6302
L6303
L6304
L6306
L6311
L6312
L804
L806
L802
L803
J6601
J6602
J006
J007
J008
J003
J001
J014
J017
Q111
Q109
Q107
Q108
Q806
Q807
D071
PC801
PC802
W001A
W002A
W002B
W003A
W003B
アカ

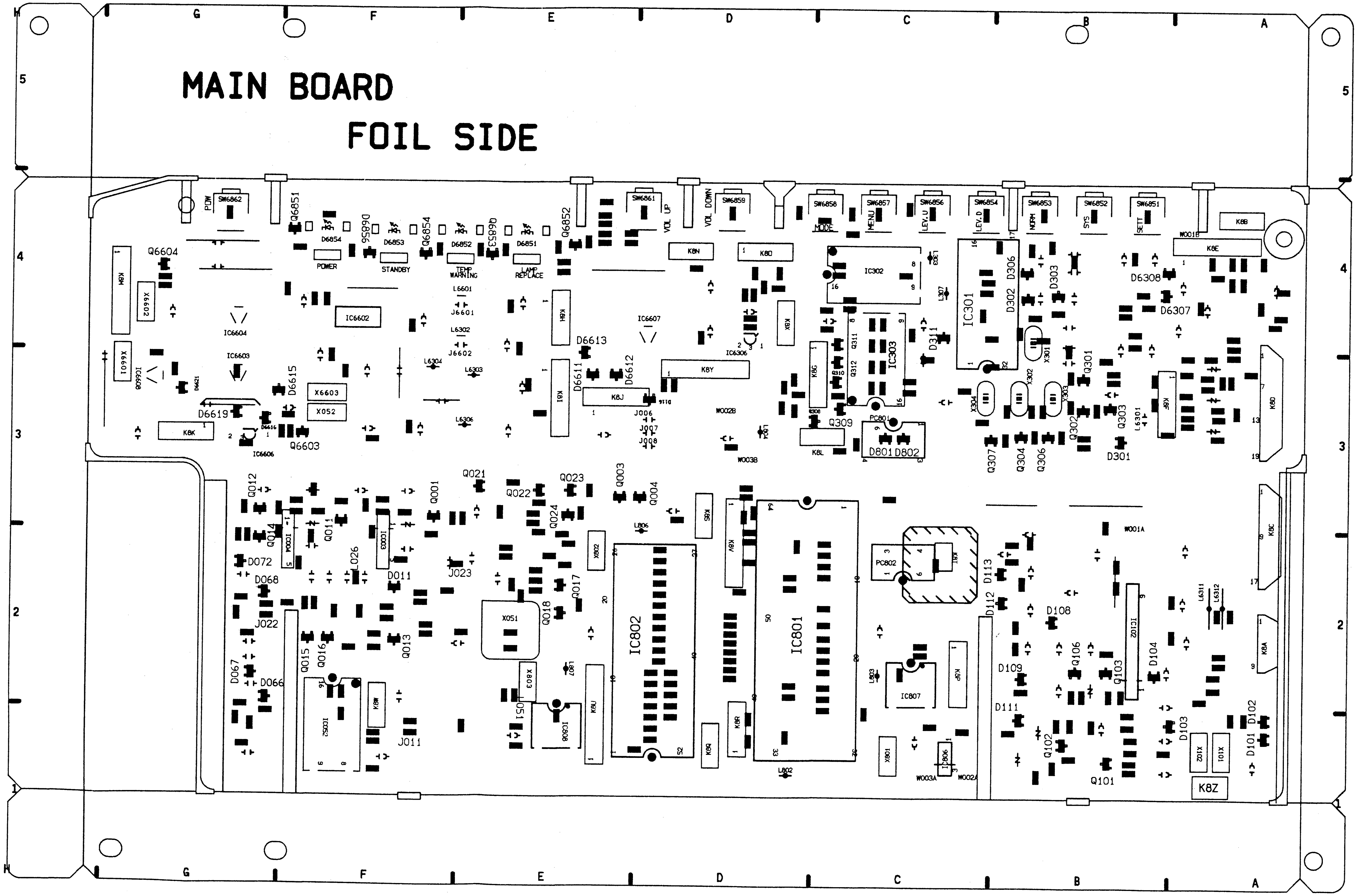
TM


E
5
4
3
2
1
K4A
K4E
K4C
K4G
C6458
L6422
R6496
R6588
R6587
R6586
R6585
R6584
R6583
R6462
R6463
R6440
R6558
R6557
R6556
R6555
R6554
R6553
R6552
R6551
R6549
R6548
R6547
R6546
R6561

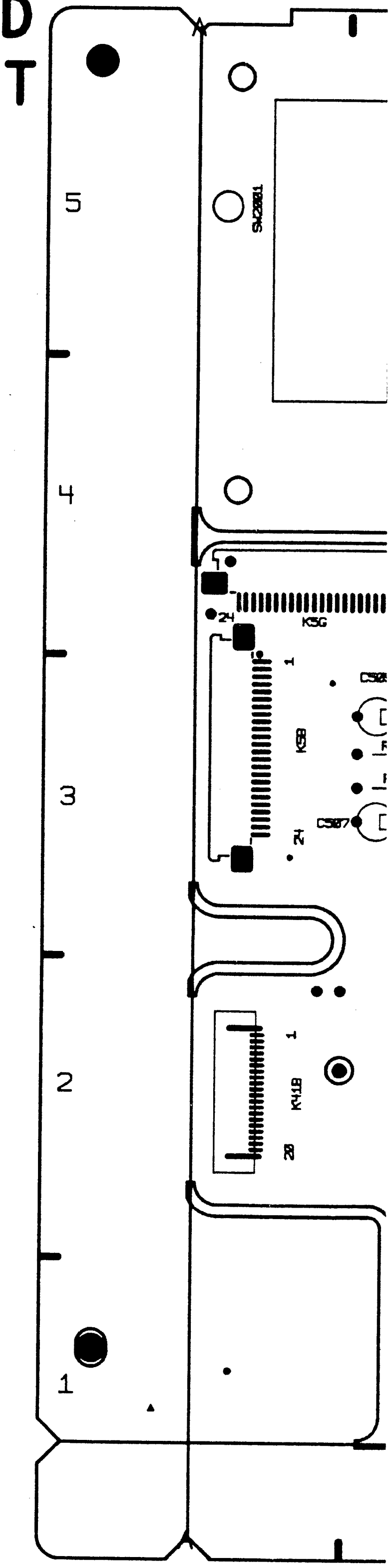

K8Z
C101
W002A
W003A
L802
R055
C063
J017 R066
B
A
B
C
D
E
F
G
H



MAIN BOARD FOIL SIDE

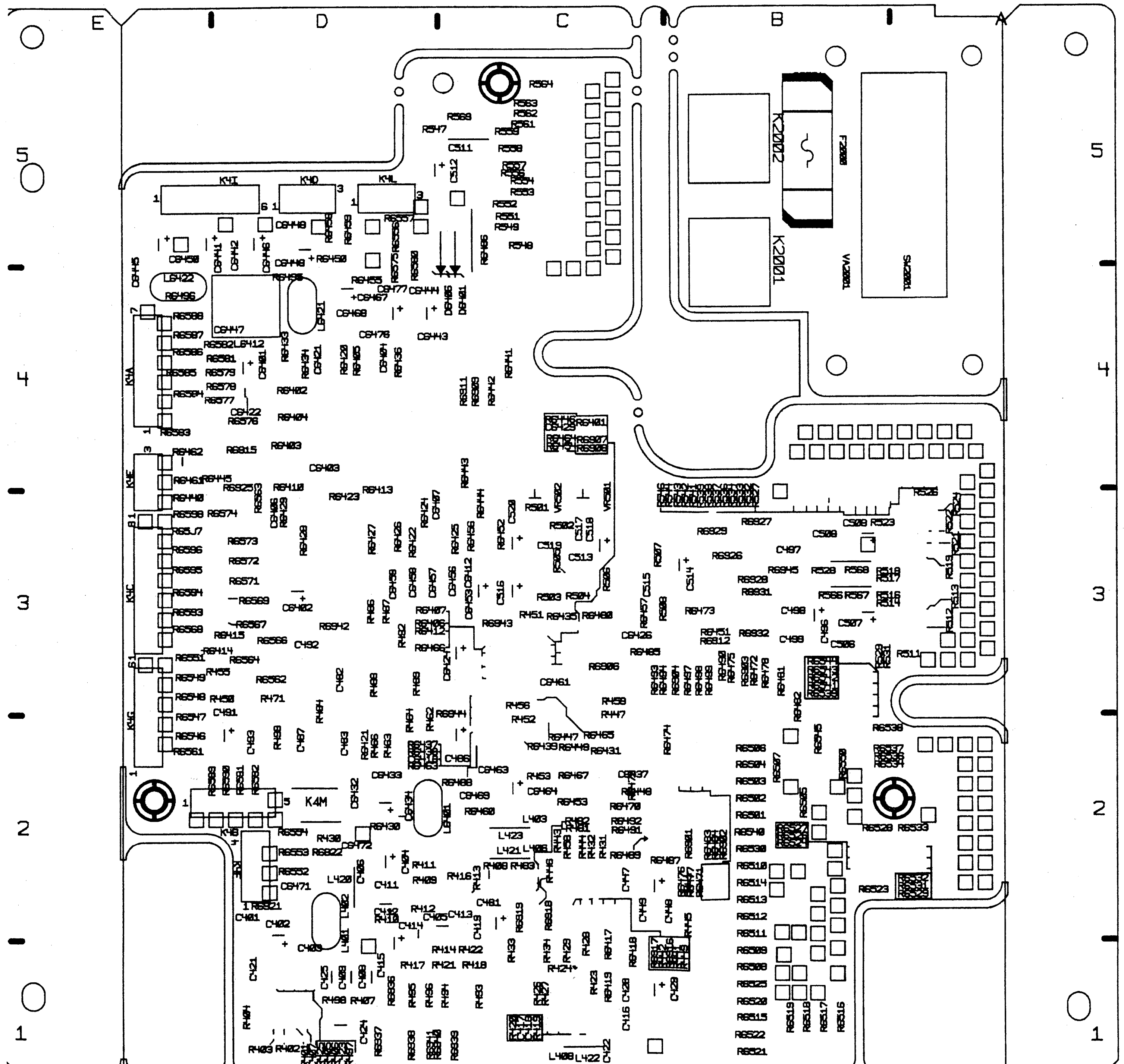

G
F
E
D
C
B
A
H
5
4
3
2
1
POW
SW6862
Q6851
D6856
Q6854
Q6853
Q6852
SW6861
VOL UP
VOL DOWN
SW6859
SW6858
MODE
SW6857
MENU
SW6856
LEV.U
SW6854
LEV.D
SW6853
NORM
SW6852
SYS
SW6851
SETT
K8B
K8E
W001B
Q6604
D6854
POWER
D6853
STANDBY
D6852
TEMP WARNING
D6851
LAMP REPLACE
K8N
K8O
IC302
K8H
X6602
IC6604
IC6602
L6601
J6601
L6302
J6602
IC6607
D6613
K8X
D6308
D6307
X6601
IC6603
D6615
X6603
X052
L6304
L6303
D6611
D6612
K8J
J006
J007
J008
K8I
IC6306
K8Y
Q311
Q312
IC303
D311
IC301
D302
D306
D303
X301
Q301
K8F
K8D
D6619
K8K
IC6606
Q6603
L6306
W002B
W003B
K8L
Q309
PC801
D801 D802
X304
X302
X303
Q302
Q303
L6301
Q307
Q304
Q306
D301
Q012
Q021
Q022
Q023
Q003
Q004
Q001
Q014
Q011
IC001
IC003
Q024
L806
K8S
K8V
K8C
W001A
PC802
K8T
D113
D072
D068
L026
D011
J023
X802
IC802
IC801
J022
X051
Q018
Q017
D112
D108
L6311
L6312
IC101
D104
Q106
Q103
D109
D067
D066
Q015
Q016
Q013
K8W
IC501
X803
L807
IC506
K8U
K8R
K8Q
IC807
K8P
L803
D111
D103
D102
D101
J011
J051
X801
IC806
W003A
W002A
L802
Q102
Q101
Z01X
I01X
K8Z
K8A

SUB POWER BOARD COMPONENT SIDE

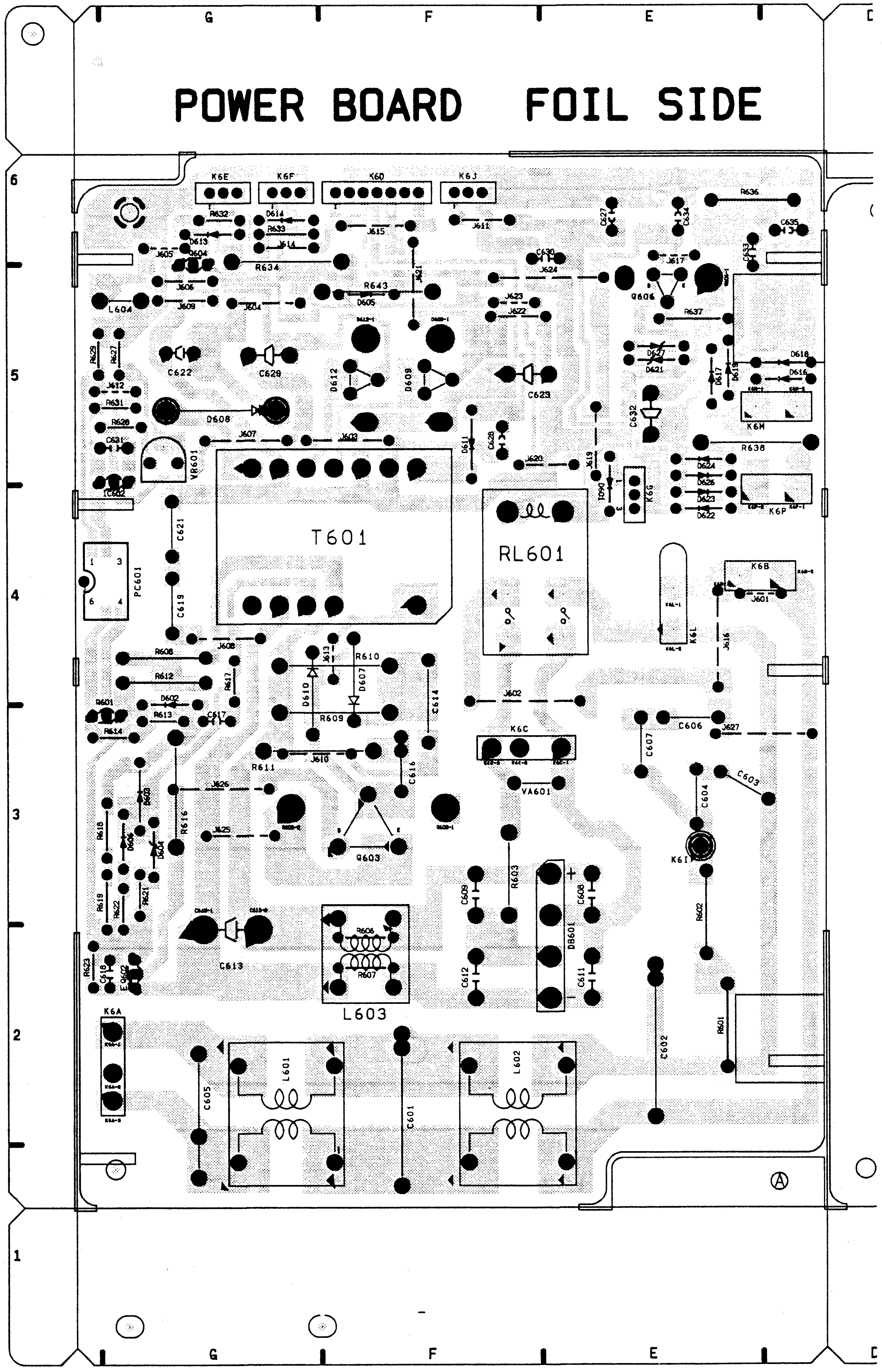

A
5
4
3
2
1
SW2801
K5G
K5B
K41B
C587

TM BOARD FOIL SIDE

SUB POWER BOARD FOIL SIDE


E
D
C
B
A
5
4
3
2
1
K4I
K4D
K4L
K4A
K4E
K4C
K4G
K4M
K2002
K2001
F2000
VA2001
R564
C511
C512
R547
R501
VR502
VR501
C513
R523
R526
L403
L423
L421
L420
L422
L400

POWER BOARD FOIL SIDE


G
F
E
6
5
4
3
2
1
K6E
K6F
K6D
K6J
K6M
K6P
K6G
K6B
K6C
K6A
K6L
K6I
T601
RL601
PC601
VR601
L601
L602
L603
L604
D601
D608
D609
D610
D612
Q603
Q606
VA601
C601
C602
C603
C604
C605
C606
C607
C613
C614
C619
C621
C622
C623
C629
C632
R601
R602
R603
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R634
R636
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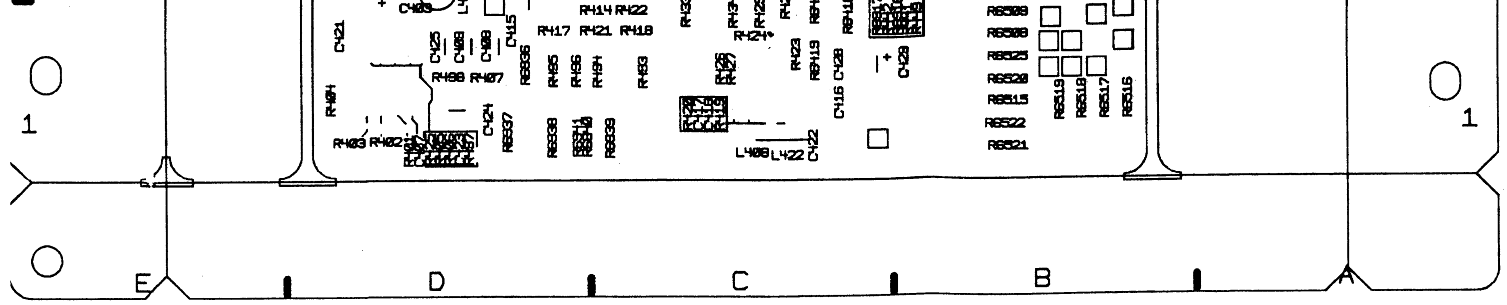
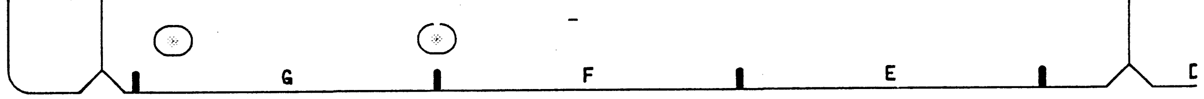
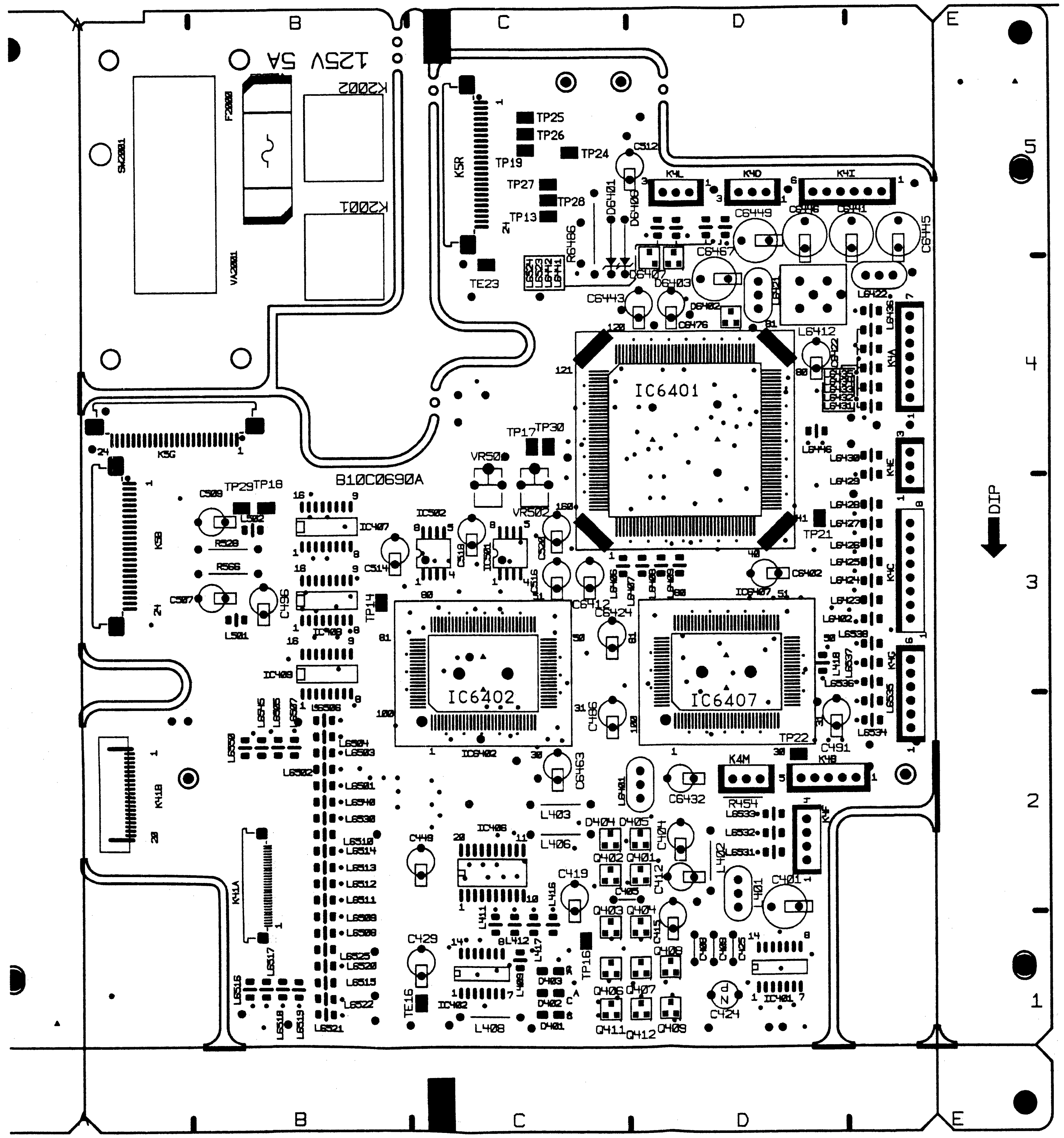
J603
J607
J610
J626
J627


1
E
D
C
B
A
R414 R422
R417 R421 R418
R498 R407
R403 R402
L408 L422
C421
C415
C424
R6508
R6509
R6525
R6520
R6515
R6522
R6521
R6519
R6518
R6517
R6516



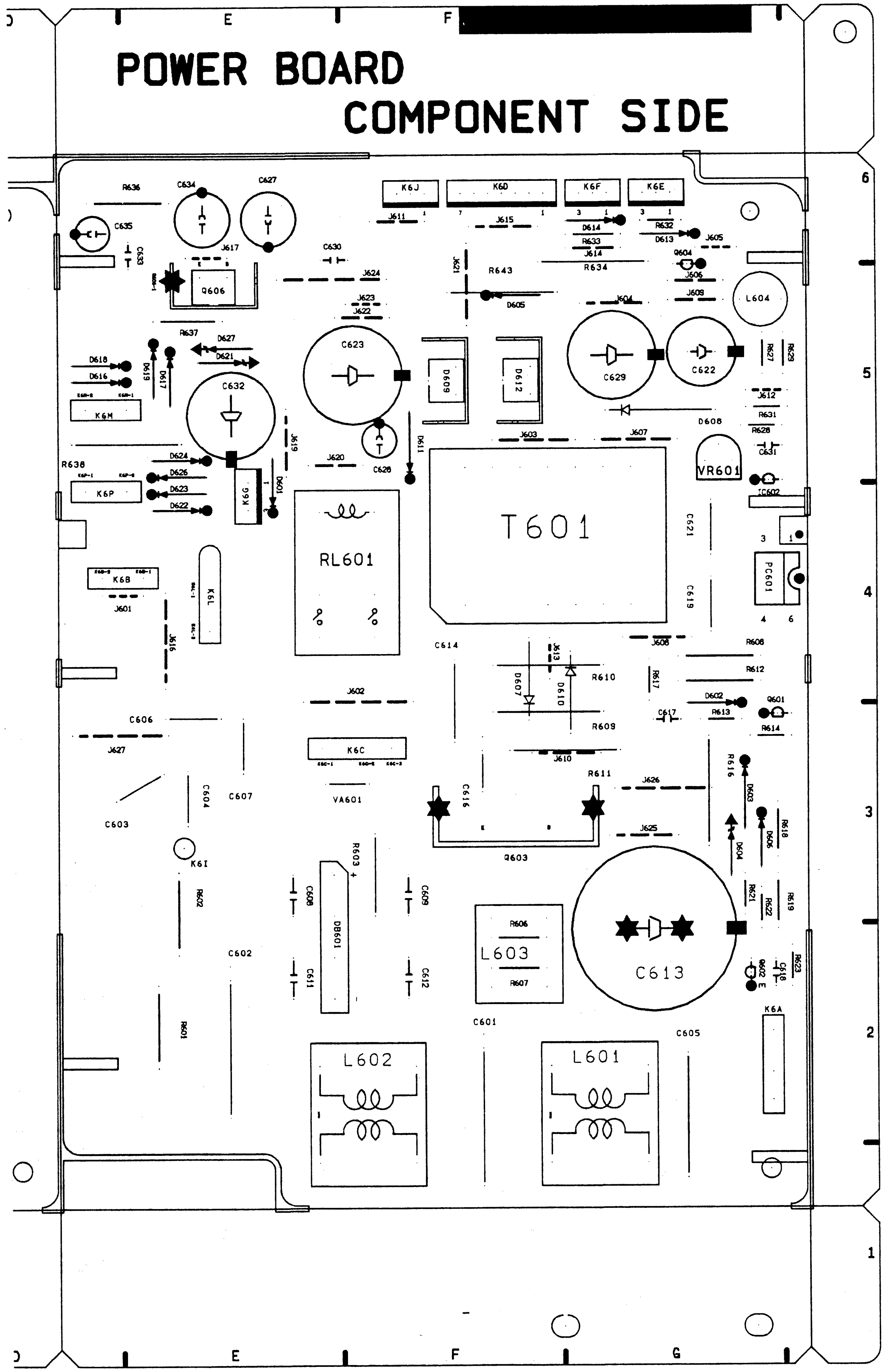
ER

TM BOARD COMPONENT SIDE

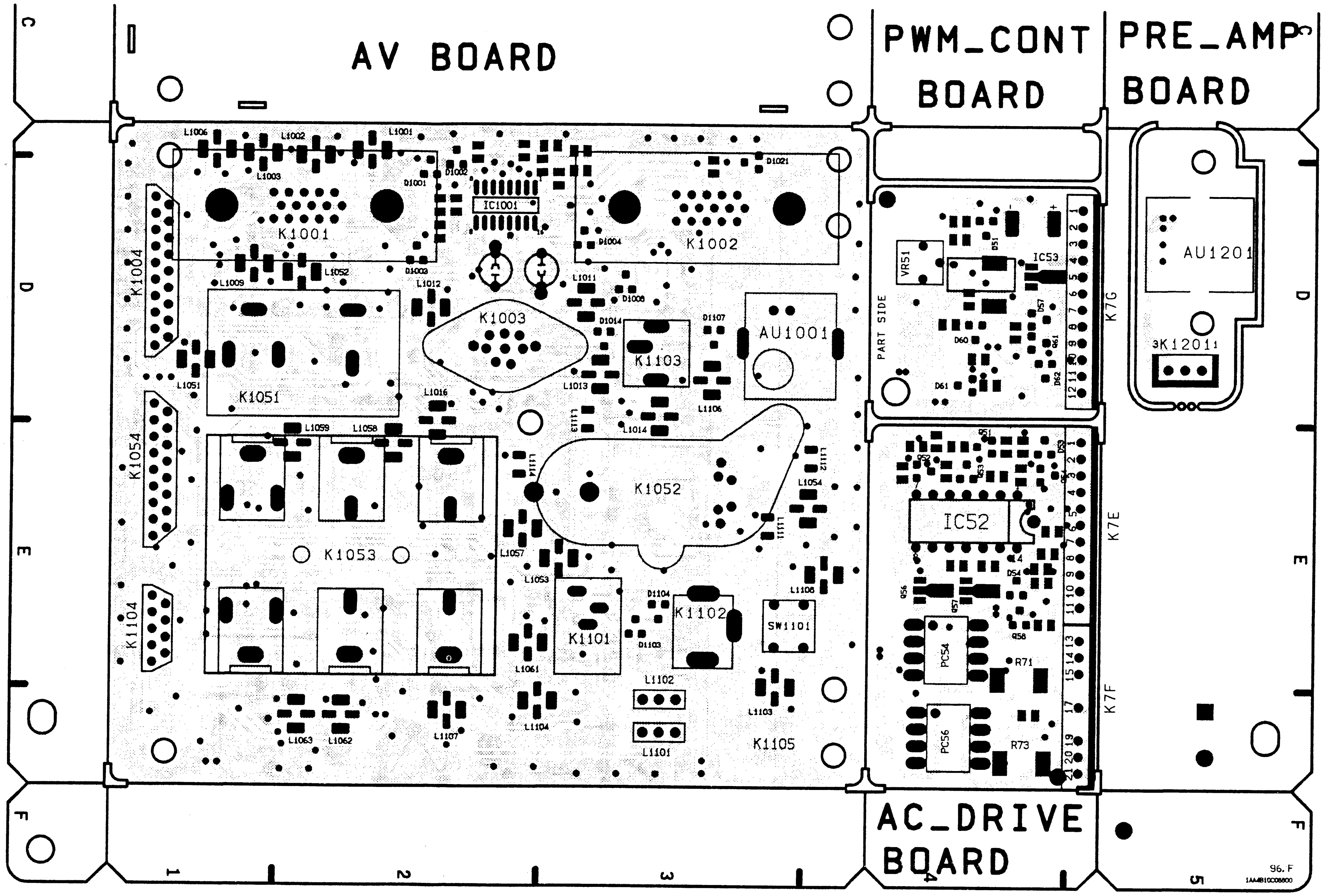

B
C
D
E
5
4
3
2
1
125V 5A
F2001
SW2001
K2002
K2001
VA2001
K5R
TP25
TP26
TP24
TP19
TP27
TP28
TP13
TE23
C312
K4L
K4D
K4I
C6449
C6445
C6467
D6401
D6400
C6443
D6403
D6402
C6476
L6412
IC6401
IC6402
IC6407
K5G
K5B
B10C0690A
TP29
TP18
TP17
TP30
VR50
VR502
IC502
IC407
IC408
IC409
TP14
TP21
TP22
DIP
K4A
K4E
K4C
K4G
K4M
K4B
K4F
R454
C6402
C6424
C6432
C6463
C491
C496
L403
L406
IC406
D404
D405
C402
C401
C403
C404
C419
L402
L401
C449
C429
TE16
IC402
L408
D401
D402
D403
Q411
Q412
C409
C424
IC401
TP16
K41A
K41B
L6521
L6522

POWER BOARD COMPONENT SIDE

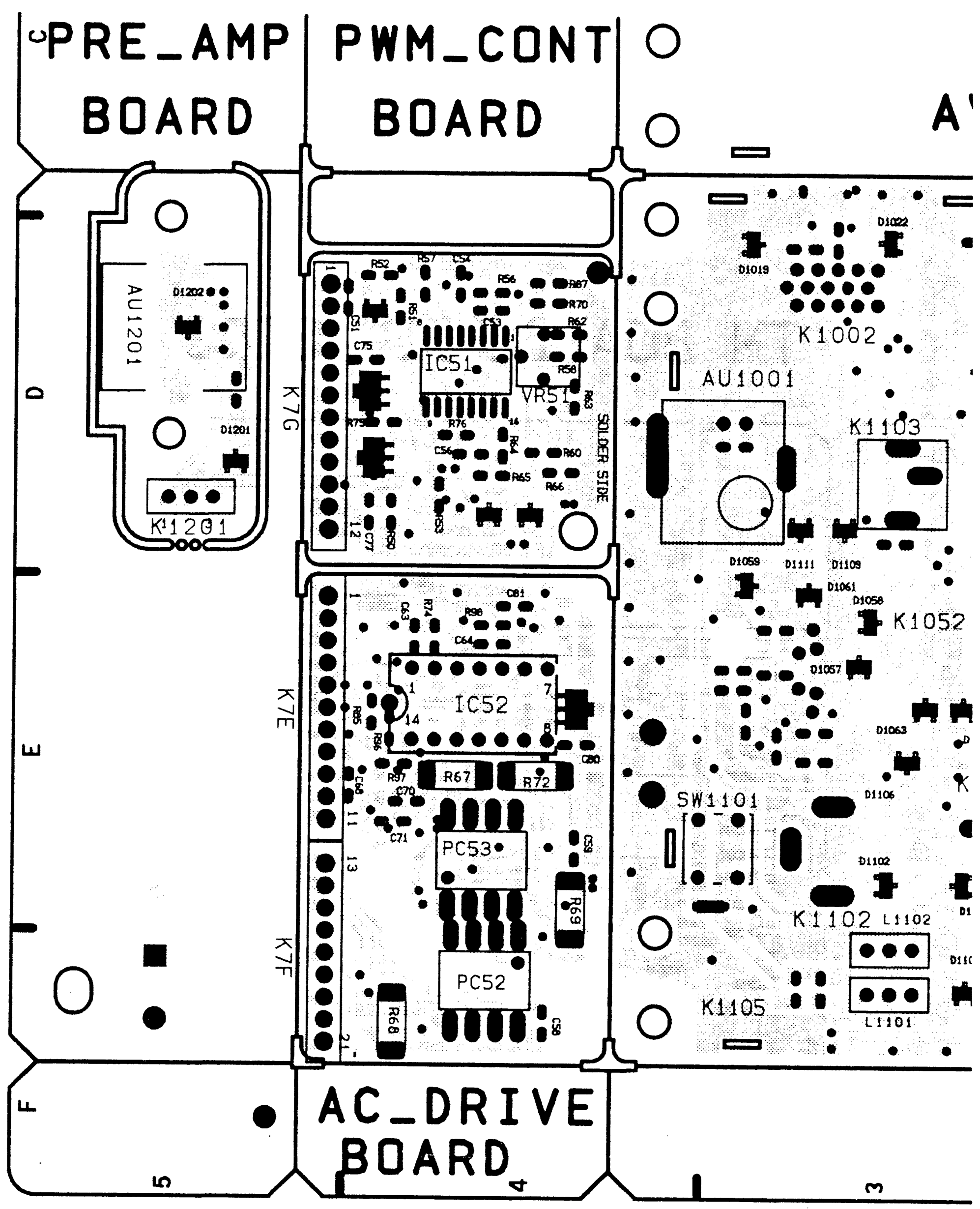
[redacted]

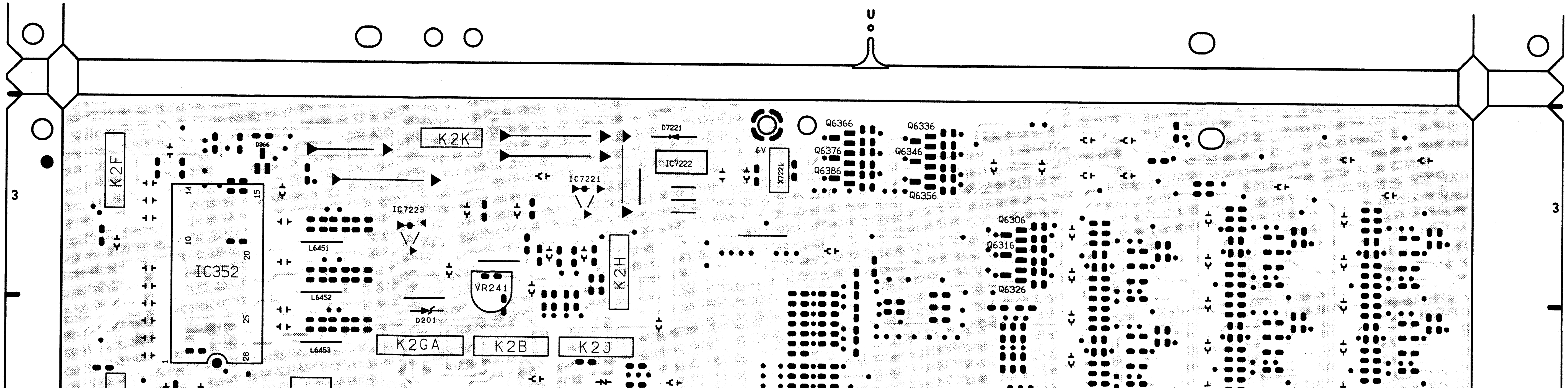

E
F
G
6
5
4
3
2
1
K6J
K6D
K6F
K6E
R636
C634
C627
C635
Q606
C630
J624
R643
R634
D605
L604
C623
C629
C622
D609
D612
C632
R637
D627
D621
D618
D616
K6M
D608
VR601
T601
R638
K6P
D624
D626
D623
D622
K6G
RL601
K6B
J601
K6L
PC601
C614
R610
R609
R611
D602
R613
Q601
R614
C606
J627
C604
C607
K6C
VA601
C616
Q603
C603
K6I
R603
C608
C609
C611
C612
DB601
R606
L603
R607
C613
K6A
C602
C601
C605
L602
L601

COMPONENT SIDE


AV BOARD
PWM_CONT BOARD
PRE_AMP BOARD
AC_DRIVE BOARD
K1001
K1002
K1003
K1004
K1051
K1052
K1053
K1054
K1101
K1102
K1103
K1104
K1105
IC1001
AU1001
SW1101
L1101
L1102
IC52
IC53
VR51
PC54
PC56
R71
R73
PART SIDE
K7G
K7E
K7F
AU1201
3K1201
C
D
E
F
1
2
3
4
5
96. F

FOIL SIDE


PRE_AMP BOARD
PWM_CONT BOARD
AC_DRIVE BOARD
AU1201
K1201
IC51
VR51
IC52
PC53
PC52
R67
R72
R69
R68
SOLDER SIDE
K7G
K7E
K7F
AU1001
K1002
K1103
K1052
SW1101
K1102
K1105
L1101
L1102
C
D
E
F
5
4
3


K2F
K2K
K2H
K2GA
K2B
K2J
IC352
IC7222
IC7221
IC7223
VR241
D201
D7221
X7221
6V
L6451
L6452
L6453
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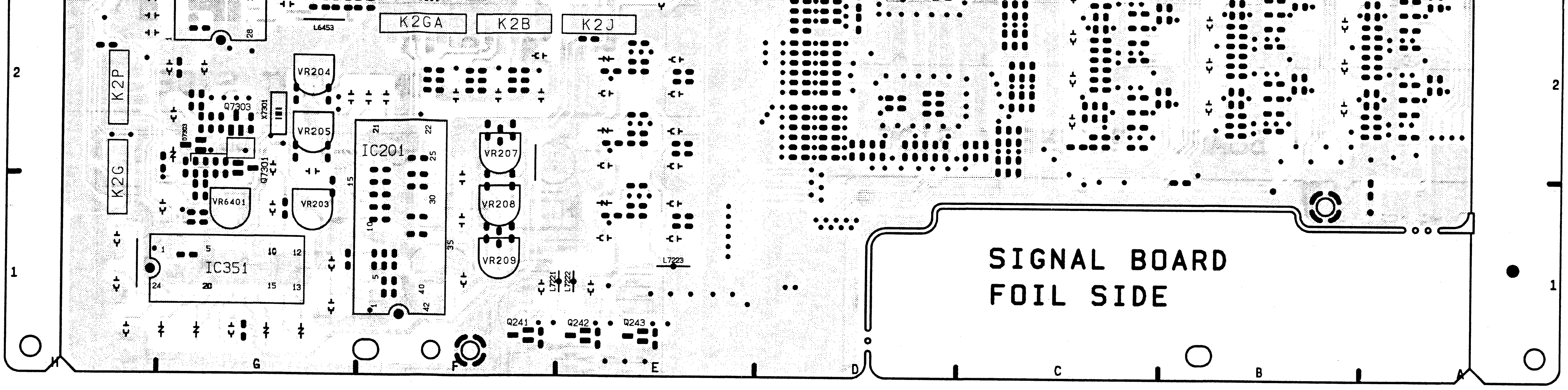
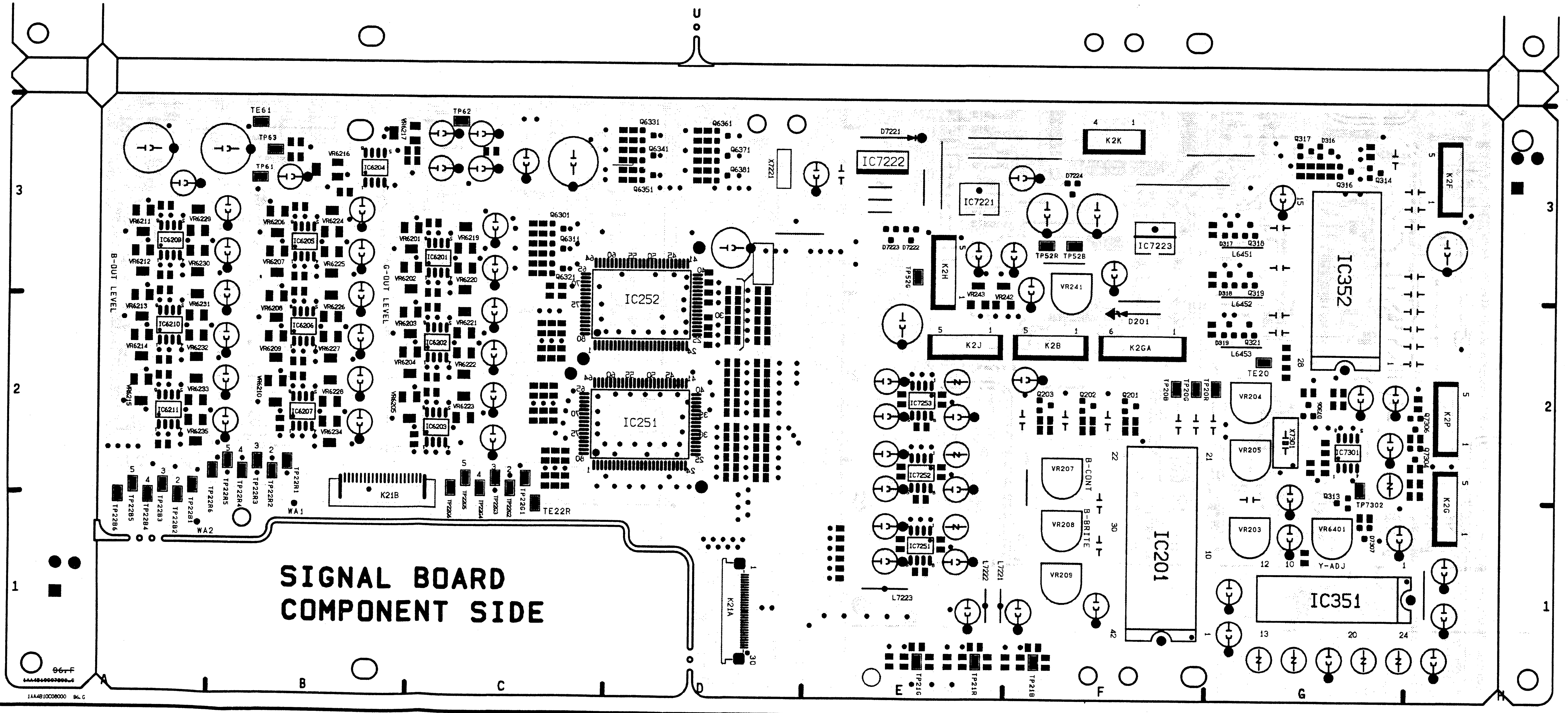
Q6376
Q6386
Q6336
Q6346
Q6356
Q6306
Q6316
Q6326
3
U



SIGNAL BOARD
FOIL SIDE

K2GA
K2B
K2J
L6453
K2P
K2G
Q7303
X7301
Q7301
VR204
VR205
VR203
VR6401
VR207
VR208
VR209
IC201
IC351
L7223
L7221
L7222
Q241
Q242
Q243
A
B
C
D
E
F
G
H
1
2

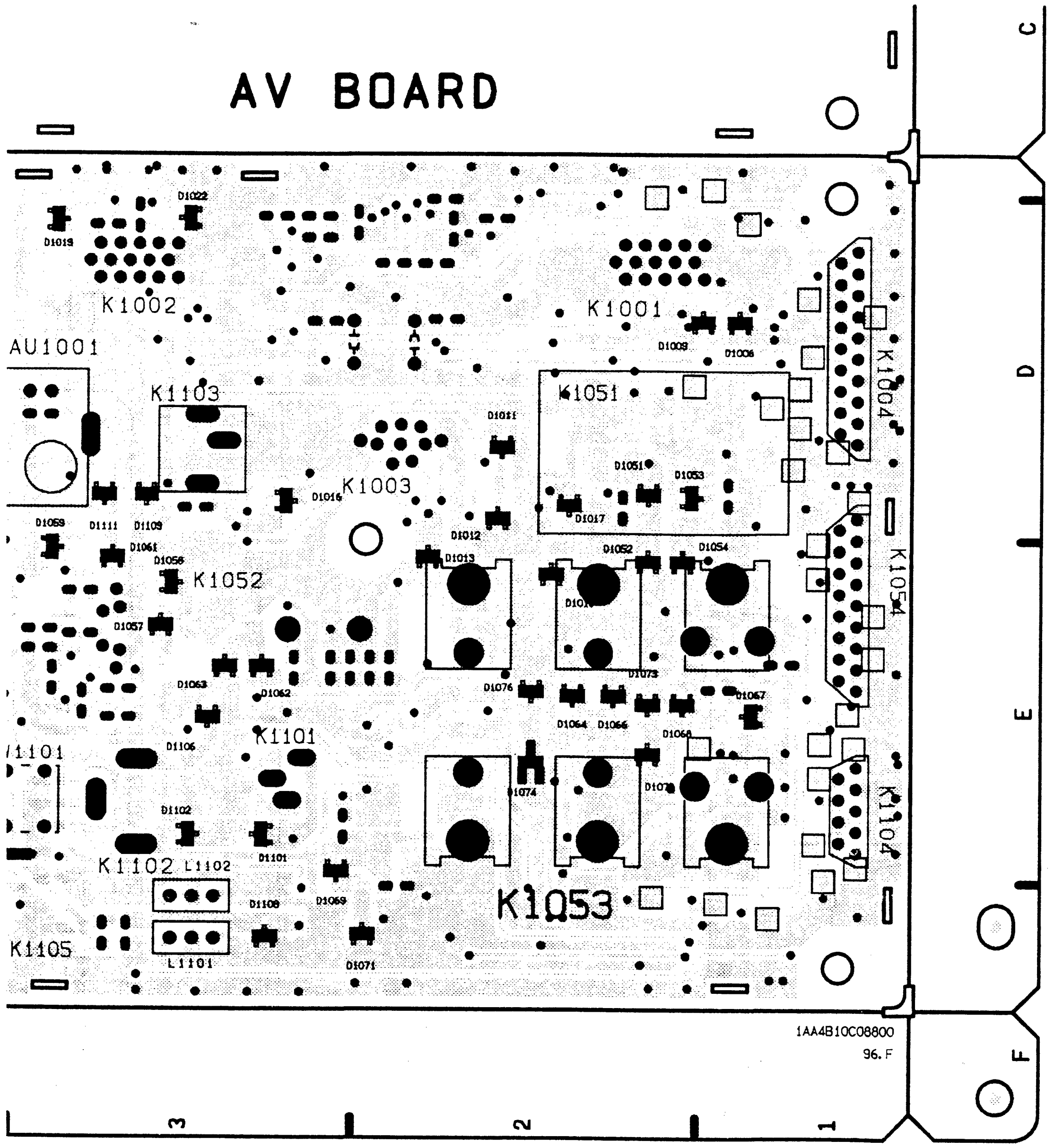


SIGNAL BOARD
COMPONENT SIDE

U
TE61
TP62
TP63
TP61
VR6216
VR6217
IC6204
Q6331
Q6341
Q6351
Q6361
Q6371
Q6381
X7221
IC7222
D7221
K2K
Q317
Q316
Q314
K2F
IC7221
D7224
IC7223
TP52R
TP52B
TP52G
D7223
D7222
K2H
VR241
VR242
VR243
D201
Q317
Q318
L6451
Q318
Q319
L6452
Q319
Q321
L6453
IC352
TE20
K2J
K2B
K2GA
VR6211
VR6229
IC6209
VR6212
VR6230
VR6213
VR6231
IC6210
VR6214
VR6232
VR6215
VR6233
IC6211
VR6235
B-OUT LEVEL
VR6206
VR6224
IC6205
VR6207
VR6225
VR6208
VR6226
IC6206
VR6209
VR6227
VR6210
VR6228
IC6207
VR6234
G-OUT LEVEL
VR6201
VR6219
IC6201
VR6202
VR6220
VR6203
VR6221
IC6202
VR6204
VR6222
VR6205
VR6223
IC6203
Q6301
Q6311
Q6321
IC252
IC251
IC7253
IC7252
IC7251
Q203
Q202
Q201
TP20B
TP20G
TP20R
VR204
VR205
VR203
VR6401
Y-ADJ
X7301
IC7301
Q7306
Q7304
Q313
TP7302
Q7307
K2P
K2G
VR207
B-CONT
VR208
B-BRITE
VR209
IC201
IC351
L7222
L7221
L7223
K21A
K21B
TP22B6
TP22B5
TP22B4
TP22B3
TP22B2
TP22B1
TP22R6
TP22R5
TP22R4
TP22R3
TP22R2
TP22R1
WA1
WA2
TP22G6
TP22G5
TP22G4
TP22G3
TP22G2
TP22G1
TE22R
TP21G
TP21R
TP21B
A
B
C
D
E
F
G
H
1
2
3

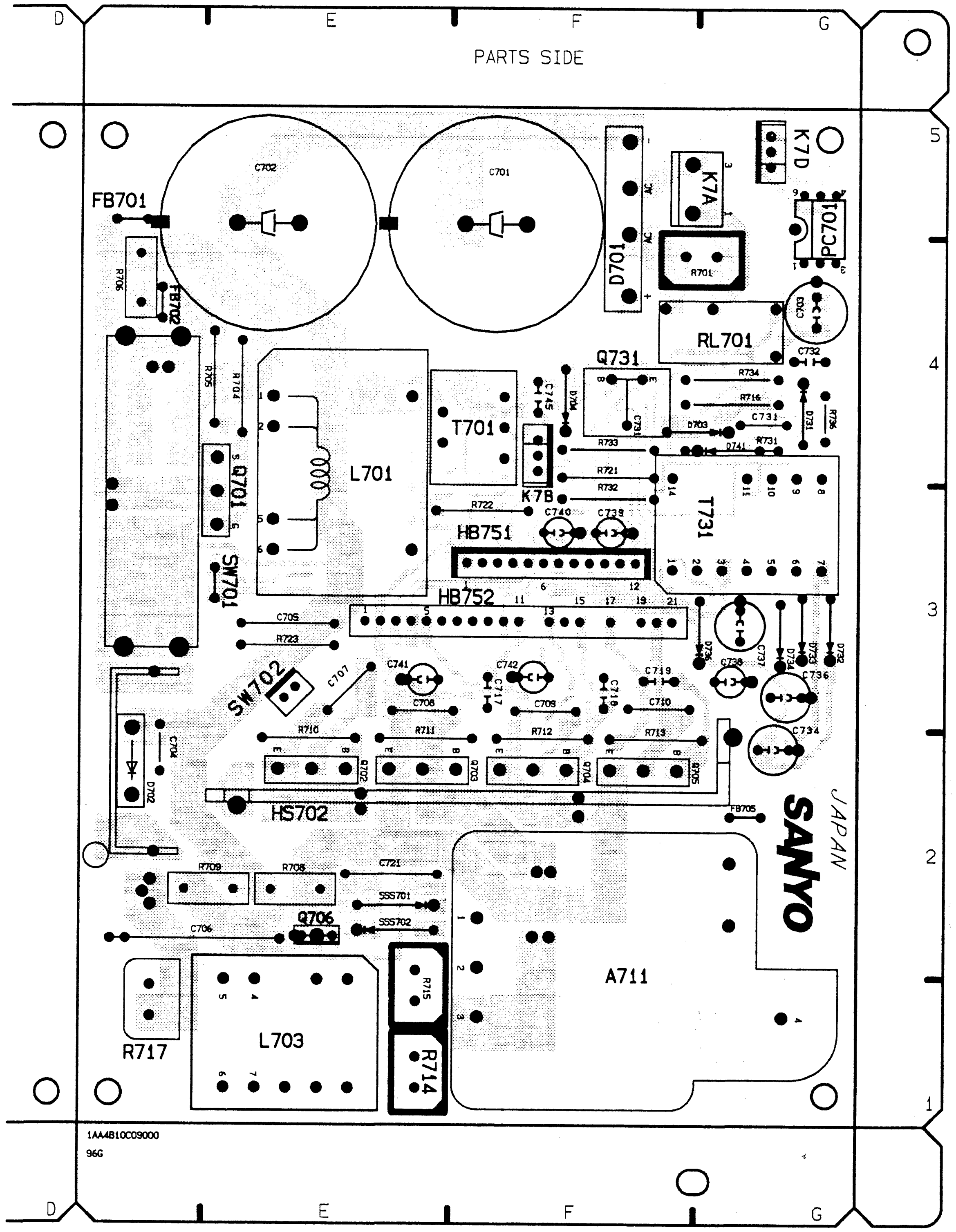
SIDE

AV BOARD

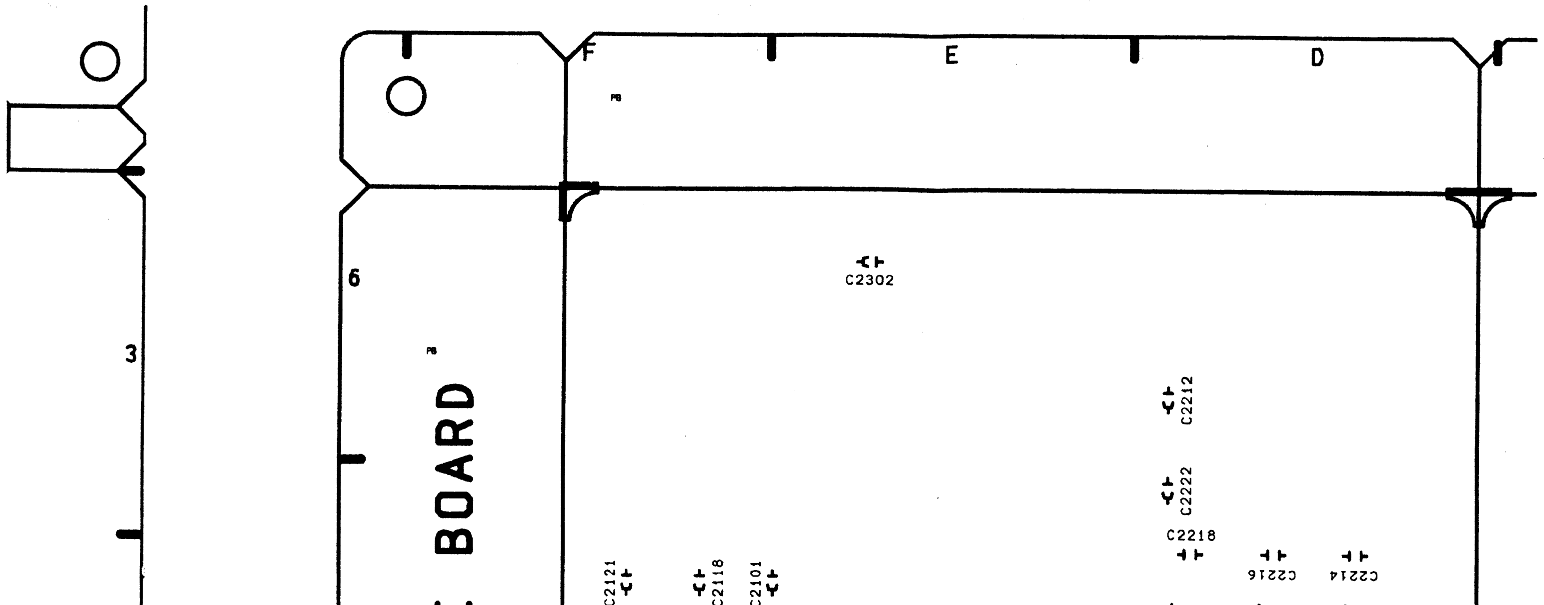


K1002
K1001
AU1001
K1103
K1051
K1004
K1003
K1052
K1054
K1101
K1104
K1102
L1102
L1101
K1053
K1105
D1019
D1022
D1011
D1017
D1013
D1074
D1071
C
D
E
F
3
2
1
1AA4B10C08800
96. F

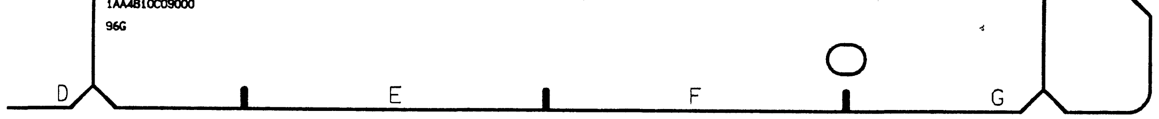
LAMP BALLAST BOARD COMPONENT SIDE



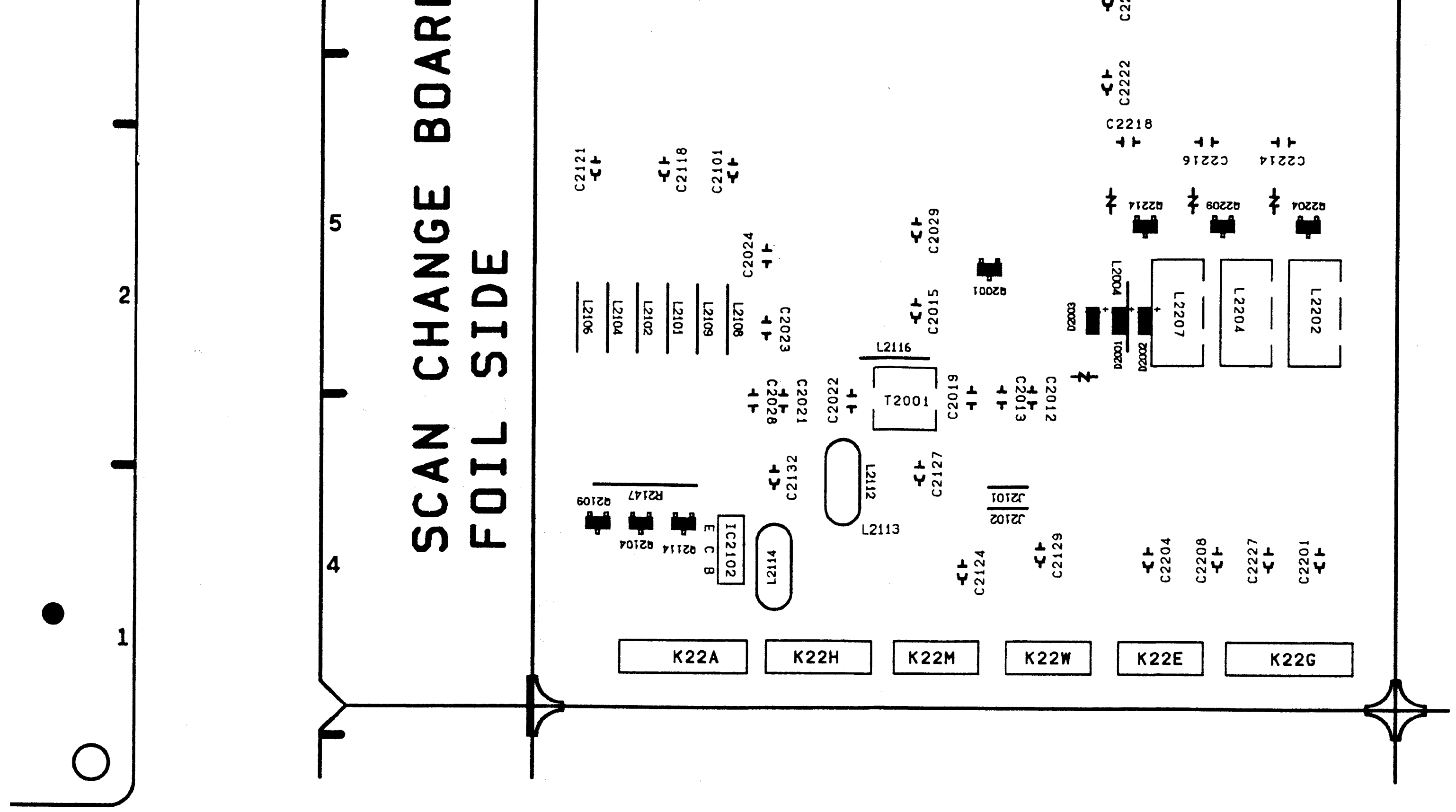
PARTS SIDE
D
E
F
G
5
4
3
2
1
FB701
FB702
C702
C701
D701
K7A
K7D
PC701
R701
RL701
Q731
T701
L701
K7B
Q701
SW701
HB751
HB752
T731
SW702
HS702
Q706
R717
L703
R715
R714
A711
SANYO
JAPAN
1AA4B10C09000
96G



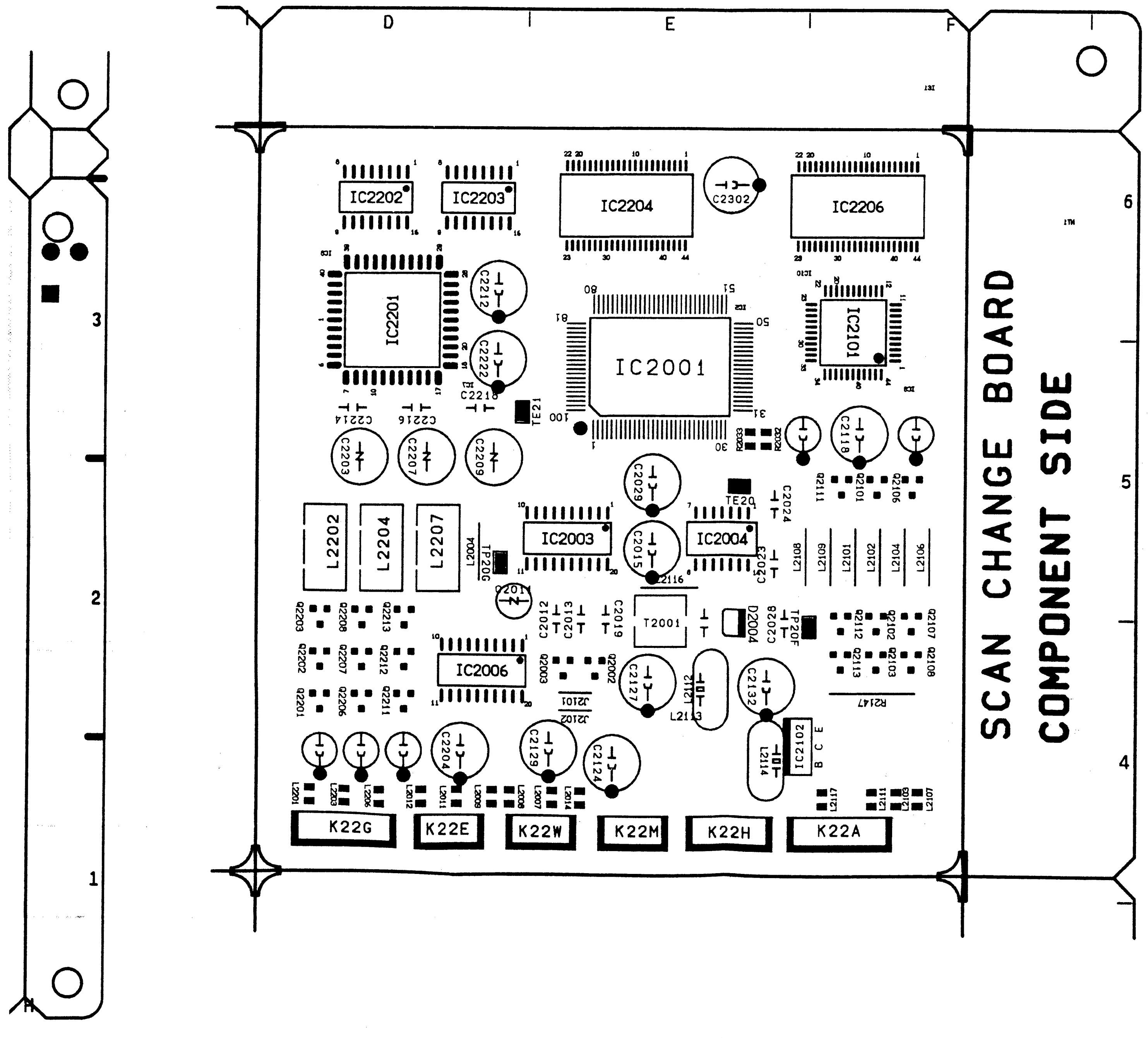
F
E
D
6
3
BOARD
C2302
C2212
C2222
C2218
C2216
C2214
C2121
C2118
C2101


1AA4B10C09000
96G
D
E
F
G

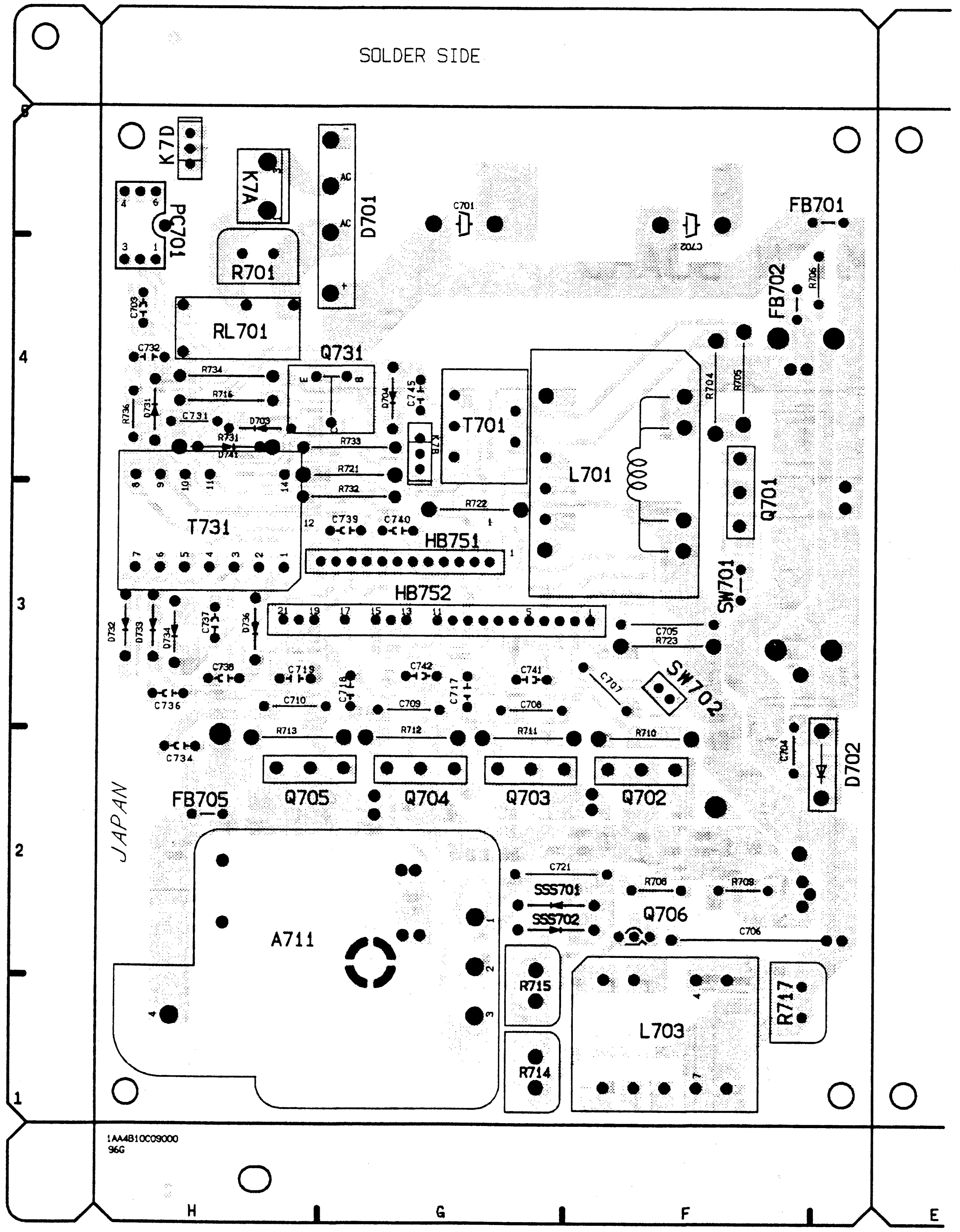
SCAN CHANGE BOARD FOIL SIDE


C2222
C2218
C2216
C2214
C2121
C2118
C2101
R2214
R2209
R2204
C2029
C2024
R2001
L2106
L2104
L2102
L2101
L2109
L2108
C2023
C2015
D2003
L2004
D2001
D2002
L2207
L2204
L2202
L2116
T2001
C2022
C2021
C2028
C2019
C2013
C2012
C2132
L2112
C2127
J2101
J2102
L2113
R2147
Q2109
Q2104
Q2114
E C B
IC2102
L2114
C2124
C2129
C2204
C2208
C2227
C2201
K22A
K22H
K22M
K22W
K22E
K22G
5
4
2
1

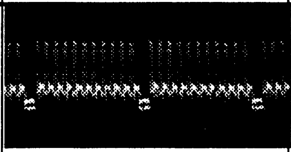
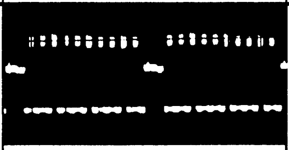
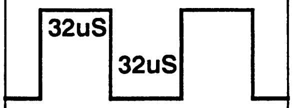
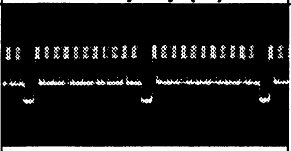
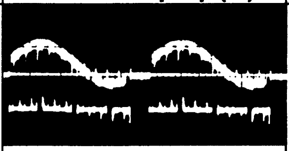
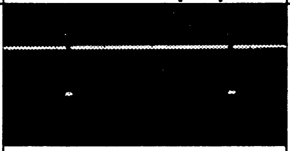
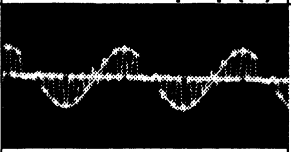
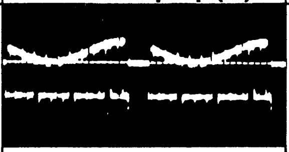
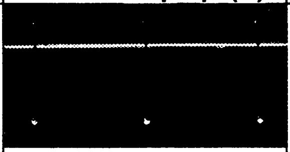
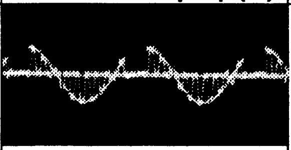
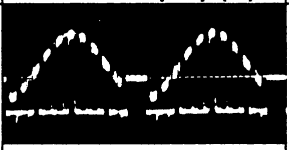
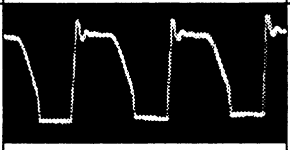
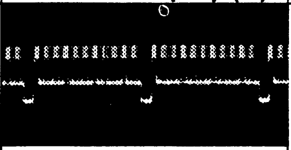
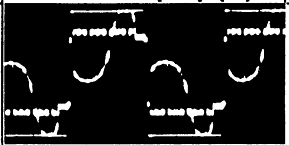
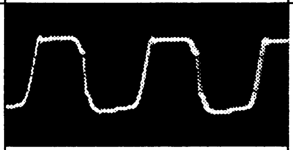
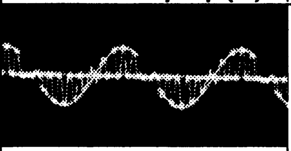
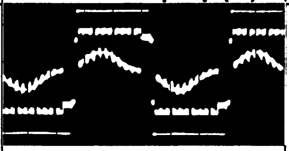
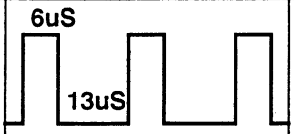
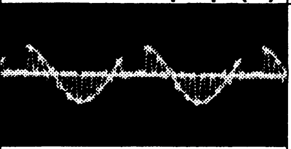
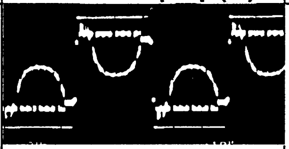
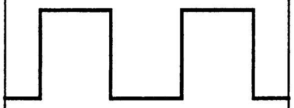
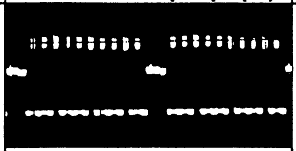
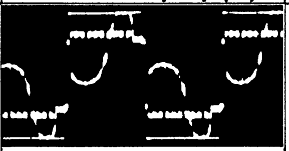
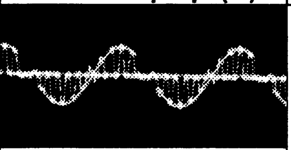
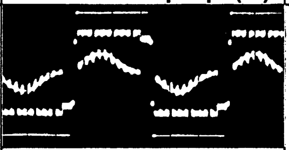
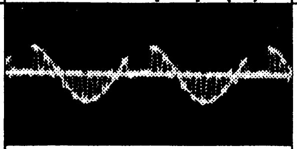
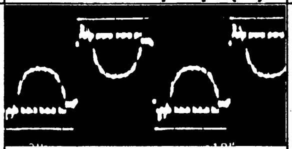
SCAN CHANGE BOARD COMPONENT SIDE


D
E
F
IC2202
IC2203
IC2204
C2302
IC2206
IC2201
C2212
C2222
C2218
IC2001
IC2101
TE21
C2214
C2216
C2203
C2207
C2209
C2118
Q2111
Q2101
Q2106
C2029
TE20
C2024
L2202
L2204
L2207
L2004
TP20G
IC2003
IC2004
C2015
C2023
L2108
L2109
L2101
L2102
L2104
L2106
Q2011
L2116
C2012
C2013
C2019
T2001
D2004
C2028
TP20F
Q2107
Q2108
IC2006
Q2003
Q2002
C2127
L2112
L2113
C2132
J2101
J2102
R2147
IC2102
B C E
L2114
C2204
C2129
C2124
K22G
K22E
K22W
K22M
K22H
K22A
6
5
4
3
2
1

LAMP BALLAST BOARD
FOIL SIDE


SOLDER SIDE
K7D
K7A
D701
PC701
C701
C702
FB701
R701
RL701
FB702
Q731
T701
L701
Q701
T731
HB751
HB752
SW701
SW702
D702
Q705
Q704
Q703
Q702
FB705
JAPAN
A711
SSS701
SSS702
Q706
R715
R714
L703
R717
1AA4B10C09000
96G
H
G
F
E
4
3
2
1

WAVE FORMS

No.	WAVE FORM	No.	WAVE FORM	No.	WAVE FORM	No.	WAVE FORM
1	 1.0Vp-p(H)	11	 Y 0.15Vp-p(H)	21	 COMMON 7.2Vp-p		
2	 Y 0.35Vp-p(H)	12	 R 0.4Vp-p(H)	22	 V SYNC 5Vp-p (V)		
3	 R-Y 0.25Vp-p(H)	13	 G 0.3Vp-p(H)	23	 H SYNC 5.0Vp-p(H)		
4	 B-Y 0.4Vp-p(H)	14	 B 0.4Vp-p(H)	24	 POWER 550Vp-p(60KHz)		
5	 Y 1.2Vp-p(H)	15	 R 0.95Vp-p(H)	25	 POWER 5.2Vp-p(60KHz)		
6	 R-Y 0.33Vp-p (H)	16	 G 0.92Vp-p(H)	26	 LAMP 310Vp-p(53KHz)		
7	 B-Y 0.55Vp-p (H)	17	 B 0.95Vp-p(H)	27	 LAMP 90Vp-p(278Hz)		
8	 Y 0.2Vp-p (H)	18	 R 10.0Vp-p (H)				
9	 R-Y 0.5Vp-p (H)	19	 G 10.0Vp-p (H)				
10	 B-Y 0.8Vp-p (H)	20	 B 10.0Vp-p (H)				